

APPROVAL OF ELECTRICAL EQUIPMENT

(ELECTRICITY REGULATIONS 1994)

INFORMATION BOOKLET
2016 EDITION



CHAPTER 5

LIST OF REGULATED ELECTRICAL EQUIPMENT

Note: Regulated Electrical Equipment are to be tested to the specified standards. Equipment that are tested and certified to the same standards of later revisions are also acceptable.

No	Category	Description of Regulated Equipment	Detail of Equipment	Standards	
				National Standard	Equivalent International Standard
1	PLUG TOP/ PLUG	(a) Plug <ul style="list-style-type: none"> • 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; 	Flat Non-Rewirable Two Pole Plug with supply cord (max. 2.5A)	MS 1578:2003	BS EN 50075:1991
			13 A Fused Plug	MS 589-1:2011	BS 1363:PT.1: 1995 +A1, A2, A3
			15 A Plug	MS 1577:2003	No corresponding international standard
		(b) Coupler <ul style="list-style-type: none"> • 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 appliance or equipment of a type intended or generally used for household applications 	Appliance Coupler	MS IEC 60320-1:2010	IEC 60320-1:2007
			Interconnection Coupler	MS IEC 60320-1:2010 MS IEC 60320-2-2:2011	IEC 60320-1:2007 IEC 60320-2-2: 1998
		(c) Adaptor <ul style="list-style-type: none"> • 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 589-3:2012	BS 1363 PT.3:1995 +A1, A2, A3
			Integrated Adaptor	MS 1144:1998	BS 5733:2010
			Travel Adaptor	No corresponding MS No corresponding MS	IEC 60884-1:2006 IEC 60884-2-5:1995
		(d) Connector <ul style="list-style-type: none"> • Connecting devices for the connection of two or more electrical copper conductors. 	Electrical Connector (connecting device)	MS IEC 60998-1:2005	IEC 60998-1:2002
			Connecting device with screw type clamping unit	MS IEC 60998-1:2005 MS IEC 60998-2-1:2005	IEC 60998-1:2002 IEC 60998-2-1:2002
			Connecting device with screw-less type clamping unit	MS IEC 60998-1:2005 MS IEC 60998-2-2:2005	IEC 60998-1:2002 IEC 60998-2-2:2005

No	Category	Description of Regulated Equipment	Detail of Equipment	Standards	
				National Standard	Equivalent International Standard
			Connecting device with insulation-piercing clamping units	MS IEC 60998-1:2005 MS IEC 60998-2-3:2005	IEC 60998-1:2002 IEC 60998-2-3:2002
			Twist-on connecting device	MS IEC 60998-1:2005 MS IEC 60998-2-4:2005	IEC 60998-1:2002 IEC 60998-2-4:2002
			Connecting boxes	MS 1873:2005 MS 1873-22:2006	IEC 60670-1:2002 IEC 60670-22:2002
2	SWITCH AND DIMMER	<ul style="list-style-type: none"> • 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 up to 63A. 	General Purpose Switch	MS IEC 60669-1:2012	IEC 60669-1:2007
			Door Bell & Chime	MS IEC 61558-1:2005 MS IEC 61558-2-8:2007	IEC 61558-1:2009 IEC 61558-2-8:2010
			Electronic Switch	MS IEC 60669-1: 2012 MS IEC 60669-2-1: 2012	IEC 60669-1:2007 IEC 60669-2-1:2009
			Remote-control Switch	MS IEC 60669-1: 2012 MS IEC 60669-2-2: 2012	IEC 60669-1:2007 IEC 60669-2-2:2006
			Time Delay Switch	MS IEC 60669-1: 2012 MS IEC 60669-2-3: 2012	IEC 60669-1:2007 IEC 60669-2-3:2006
			Cooker Control Unit	No corresponding MS	BS 4177:1992
3	SOCKET OUTLET	(2) Socket Outlet <ul style="list-style-type: none"> • is for fixing at a point at which fixed wiring terminates; • provides a detachable connection with the pins of a plug; • has two, or three contacts; • and has a maximum rating of 15 A; • with switch and without switch socket outlet. 	Electric Shaver Socket Outlet	MS IEC 61558-1:2005 MS IEC 61558-2-5:2006	IEC 61558-1:2009 IEC 61558-2-5:2010
			13A Switch & unswitch socket outlet	MS 589-2:2011	BS 1363:PT 2:1995 +A1, A2, A3
			15A socket outlet & Plug	MS 1577:2003	No corresponding international standard
			Portable 2 pin socket outlet class II	MS 1579: 2003	No corresponding international standard
		(b) Portable A device comprising a flexible cable or cord attached to a reel so constructed that the flexible cable may be completely wound onto the reel, and provided with a plug and one or more socket outlets.	Portable cable reel	MS 1141: 2006	IEC 61242: 2008 with modification
4	FLUORESCENT LAMP HOLDER / STARTER HOLDER	(a) Lamp Holder Holds tubular fluorescent lamp but does not include: A lamp holder which by design is restricted to specific appliances.	Lamp holder for tubular fluorescent lamp	MS IEC 60400: 2006	IEC 60400: 2004

No	Category	Description of Regulated Equipment	Detail of Equipment	Standards	
				National Standard	Equivalent International Standard
		(b) Starter Holder to hold a glow starter but does not include: a starter holder which by design is restricted to specific appliances.	Starter holder for tubular fluorescent lamp	MS IEC 60400: 2006	IEC 60400: 2004
5	CEILING ROSE	• a terminal for connection to a lamp holder via a cable.	Ceiling Rose	MS 770:1982	BS 67:1987
		• Edison Screw Lamp holder lamp holders with Edison screw thread E14, E27 and E40, designed for holding and connecting to the supply of lamps.	Edison Screw Lamp holder	MS IEC 60238:2008	IEC 60238:2004
6	BAYONET CAP and MULTIWAYS ADAPTOR	• holds a bayonet cap lamp, bayonet cap adaptor	Bayonet cap Lamp holder	No corresponding MS	IEC 61184:2008+A1
		but does not include: • a lamp holder, which by design, is restricted to specific appliances • a lampholder which is for incorporation in an industrial equipment	Bayonet Lamp Adaptor	MS 769:1982 with IEC 61184:2008	IEC 61184:2008 with MS 769:1982
7	LAMP FITTING	(a) Luminaires • provides illumination; • incorporate electric light sources for operation from supply voltage up to 1000V.	Fixed general purpose Luminaires (excluding Tube/Bulb),	MS IEC 60598-1:2012 MS IEC 60598-2-1:1997	IEC 60598-1:2008 IEC 60598-2-1:1987
			Batten Luminaires (excluding Tube/Bulb), Luminaires with self-ballasted fluorescent lamp.		
		Recessed Luminaires (excluding Tube/Bulb)	MS IEC 60598-1:2012 MS IEC 60598-2-2:1998	IEC 60598-1:2008 IEC 60598-2-2:2011	
		(b) Glow Starter • is for starting preheat type fluorescent lamps; • is a glow-start type; and • has an enclosure of insulating material • holds a light source or bulb.	Glow-starter for tubular fluorescent	MS IEC 60155: 1996	IEC 60155:2006

No	Category	Description of Regulated Equipment	Detail of Equipment	Standards	
				National Standard	Equivalent International Standard
		(c) Self-ballasted Compact Fluorescent Lamp (CFL) <ul style="list-style-type: none"> • Lamp which cannot be dismantled without being permanently damaged, provided with • a lamp cap incorporating a light source and any elements necessary for starting and stable operation of the light source. 	with Edison screw or bayonet caps	MS IEC 60968:2006 MS IEC 60969:2006	IEC 60968:1999 IEC 60969:2001
		(d) LED Lighting	Lamp controlgear : Particular requirements for d.c. or a.c. supply electronic controlgear for LED modules	MS IEC 61347-1:2012 MS IEC 61347-2-13:2012	IEC 61347-1:2010 IEC 61347-2-13:2006
			Lampholder (Connectors for LED-modules)	MS IEC 60838-1:2008 MS IEC 60838-2-2:2008	IEC 60838-1:2004 IEC 60838-2-2:2006
			LED Modules for general Lighting (eg. double capped self-ballasted LED Lamp)	MS IEC 62031:2011 with MS IEC 60061-1:2005	IEC 62031:2008+A1, A2 with IEC 60061-1: 2005 or IEC 62776: 2014
			Self-ballasted single capped LED-lamps for general lighting services by voltage > 50V	MS IEC 62560:2012	IEC 62560:2011
8	CAPACITOR for FLUORESCENT LAMP	<ul style="list-style-type: none"> • is used together with a ballast in a lamp circuit. 	Capacitors for use in tubular fluorescent lamps and other circuits.	MS IEC 61048: 2006 MS IEC 61049: 1999	IEC 61048: 2006 IEC 61049: 1991
9	BALLAST / CONTROL GEAR / DRIVER FOR LAMP	(a) Ballast <ul style="list-style-type: none"> • is for controlling the magnitude of current flowing through the discharge path of a fluorescent lamp, • is of the independent or built-in type intended for use with luminaires (portable or fixed); or • is of the integral type such that it forms a non-replaceable part of a fluorescent lamp/ballast combination; or • is of the adaptor type such that it allows the 	Magnetic Ballast for tabular fluorescent lamp	MS IEC 61347-1: 2012 MS IEC 61347-2-8:2003 MS 141 PT.2:1993+A1	IEC 61347-1: 2010 IEC 61347-2-8: 2000 IEC 60921:2004 with modification
			Electronic Ballast for fluorescent lamp	MS IEC 61347-1:2012 MS IEC 61347-2-3:2003 MS IEC 60929: 2008 with MS IEC 61000-3-2: 2003	IEC 61347-1:2010 IEC 61347-2-3:2000 IEC 60929:2011 with IEC 61000-3-2: 2009

No	Category	Description of Regulated Equipment	Detail of Equipment	Standards	
				National Standard	Equivalent International Standard
		insertion of a fluorescent lamp into the ballast by the user; but does not include : <ul style="list-style-type: none"> • a ballast which is incorporated in luminaires certified for compliance with the requirements for electrical equipment with increased safety type protection (Exe) for use in hazardous locations. 			
		b) Control Gear General safety for lamp controlgear for use on dc supply up to 250V and or ac supply up to 1000 V	Control Gear	MS IEC 61347-1:2012	IEC 61347-1:2010
10	CIRCUIT BREAKER including AC CURRENT OPERATED EARTH LEAK-AGE CIRCUIT BREAKER and MINIATURE CIRCUIT BREAKER	(a) Residual Current Device (RCD) <ul style="list-style-type: none"> • 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; 	Residual Current Circuit Breaker (RCCB)	MS IEC 61008-1: 2012 MS IEC 61008-2-1: 2003 or MS IEC 61008-1: 2012 MS IEC 61008-2-2: 2003	IEC 61008-1: 2010 IEC 61008-2-1: 1990 or IEC 61008-1: 2010 IEC 61008-2-2: 1990
<ul style="list-style-type: none"> • has a rated residual current less than 300mA for devices intended for connection to fixed wiring or 10mA 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 :- <ul style="list-style-type: none"> • 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 Breaker with Overcurrent Protection (RCBO)	MS IEC 61009-1: 2012 MS IEC 61009-2-1: 2003 or MS IEC 61009-1: 2012 MS IEC 61009-2-2: 2003	IEC 61009-1: 2010 IEC 61009-2-1: 1991 or IEC 61009-1: 2010 IEC 61009-2-2: 1991	
(b) Fuse <ul style="list-style-type: none"> • is an enclosed air- break 		Miniature Circuit Breaker (MCB) for ac supply	MS IEC 60898-1: 2007	IEC 60898-1: 2003	

No	Category	Description of Regulated Equipment	Detail of Equipment	Standards	
				National Standard	Equivalent International Standard
		<ul style="list-style-type: none"> 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 of up to 10kA. 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 comprises all the parts that form the complete device. 	Miniature Circuit Breaker (MCB) for ac & dc supply Fuse Base & Carrier up to 32A Fuse/Fuse Link up to 63A Switch fuse up to 63A.	MS IEC 60898-2: 2007 MS IEC 60269-1:2011 MS IEC 60296-2:2011 MS IEC 60269-2:2011 MS IEC 60269-3:2011 MS IEC 60947-1:2010 MS IEC 60947-3:2010	IEC 60898-2: 2003 IEC 60269-1:2006 IEC 60269-2:2006 IEC 60269-2:2006 IEC 60269-3:2010 IEC 60947-1:2007 IEC 60947-3:2008
11	PORTABLE LUMINAIRE LAMP	<ul style="list-style-type: none"> 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 is constructed to represent a model, person or animal and 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 insulated lampholder) is for inspection purposes using illumination; holds a light source or bulb; and is hand held; but does not include hand lamp with a 	Standing Lamp with detachable or non-detachable mains supply flexible cord, Standing Lamp & adaptor, Table lamp with detachable or non-detachable mains supply flexible cord, Table Lamp & adaptor, Portable LED Lamp Night Lamp integral with direct in plug. Hand Lamp & adaptor,	MS IEC 60598-1: 2012 MS IEC 60598-2-4: 2003 MS IEC 60598-1:2012 MS IEC 60598-2-12:2010 MS IEC 60598-1: 2012 MS IEC 60598-2-8:2006	IEC 60598-1:2008 IEC 60598-2-4: 1997 IEC 60598-1:2008 IEC 60598-2-12:2006 IEC 60598-1:2008 IEC 60598-2-8:2007

No	Category	Description of Regulated Equipment	Detail of Equipment	Standards	
				National Standard	Equivalent International Standard
12	KETTLE including HEATING ELEMENTS IF SUPPLIED SEPARATELY	magnification facility. • is a household type; is portable; • has a capacity not exceeding 10L; and • heats liquid for: > humidifying room air; or > hot beverage; or > cooking purpose	Warming Plate	MS IEC 60335-1:2013 MS IEC 60335-2-12:2014	IEC 60335-1:2006 IEC 60335-2-12:2002
			Deep Fryer	MS IEC 60335-1: 2013 MS IEC 60335-2-13:2006	IEC 60335-1: 2006 IEC 60335-2-13:2004
			Heating Liquids such as: Coffee / Tea Maker, Food Steamer, Egg Boiler, Jug, Slow Cooker, Steam Boat, Kettle, Airpot, Bottle Warmer, Sterilizer.	MS IEC 60335-1: 2013 MS IEC 60335-2-15:2004	IEC 60335-1: 2006 IEC 60335-2-15:2002
			Multi-purpose cooker	MS IEC 60335-1: 2013 MS IEC 60335-2-9:2014 MS IEC 60335-2-13:2006 MS IEC 60335-2-15:2004	IEC 60335-1: 2006 IEC 60335-2-9:2008 IEC 60335-2-13:2004 IEC 60335-2-15:2002
			Water Dispenser/Filter	MS IEC 60335-1: 2005	IEC 60335-1: 2004
			Water Dispenser - Hot	MS IEC 60335-1: 2005 MS IEC 60335-2-15:2004	IEC 60335-1: 2004 IEC 60335-2-15:2002
			Water Dispenser - Cold	MS IEC 60335-1:2005 MS 1597-2-24:2005	IEC 60335-1:2004 IEC 60335-2-24:2010
			Water Dispenser – Hot and Cold	MS IEC 60335-1:2005 MS IEC 60335-2-15:2004 MS 1597-2-24:2005	IEC 60335-1:2004 IEC 60335-2-15:2002 IEC 60335-2-24:2010
			Built in Hob	MS IEC 60335-1: 2013 MS IEC 60335-2-36:2014	IEC 60335-1: 2006 IEC 60335-2-36:2008
13	KITCHEN MACHINE	• is a household type; • is for the preparation of food by mechanical means; or • is for opening cans; or • is for sharpening of knives	Blender, Chopper, Food Processor, Juice Extractor, Grinder , Mixer.	MS IEC 60335-1:2013 MS IEC 60335-2-14:2014	IEC 60335-1:2006 IEC 60335-2-14:2002

No	Category	Description of Regulated Equipment	Detail of Equipment	Standards	
				National Standard	Equivalent International Standard
14	TOASTER / OVEN (Cooking Appliance)	<ul style="list-style-type: none"> is a household type; and is for toasting bread or similar food; 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 electro-magnetic radiation. 	Stationary Electric Oven, Induction Hob.	MS IEC 60335-1:2013 MS IEC 60335-2-6:2014	IEC 60335-1:2006 IEC 60335-2-6:2005
			Bread Maker, Bread Toaster, Portable Oven, Induction Cooker, Grill, Sandwich Maker/ Waffle Maker, Roaster.	MS IEC 60335-1:2013 MS IEC 60335-2-9:2014	IEC 60335-1:2006 IEC 60335-2-9:2008
			Microwave Oven	MS IEC 60335-1:2013 MS IEC 60335-2-25:2014	IEC 60335-1:2006 IEC 60335-2-25:2010
15	RICE COOKER	<ul style="list-style-type: none"> is a household type; and is used for cooking rice 	Rice Cooker	MS IEC 60335-1: 2013 MS IEC 60335-2-15:2004	IEC 60335-1:2006 IEC 60335-2-15:2002
16	REFRIGERATOR	<ul style="list-style-type: none"> is a household type; and cools and stores food. <p>But does not include –</p> <ul style="list-style-type: none"> a type, promoted exclusively to industry/ commercial sector. 	Refrigerator, Freezer, Minibar.	MS IEC 60335-1:2013 MS 1597: Part 2-24:2005	IEC 60335-1:2006 IEC 60335-2-24:2005 with modification
17	IMMERSION WATER HEATER	<ul style="list-style-type: none"> is a household type; is for heating liquid in which it may be immersed; and is self contained; and includes – aquarium type immersion heaters 	Fixed Immersion Heater	MS IEC 60335-1:2013 MS IEC 60335-2-73:2014	IEC 60335-1:2006 IEC 60335-2-73:2009
			Portable Immersion Heater	MS IEC 60335-1:2013 MS IEC 60335-2-74:2010	IEC 60335-1:2006 IEC 60335-2-74:2006
18	WATER HEATER including HEATING ELEMENTS IF SUPPLIED SEPARATELY	(a) Storage <ul style="list-style-type: none"> is for heating and storage of water for bathing, washing or similar purposes; incorporates a heating element; and has a storage capacity not less than 4.5 L or not more than 680 L. 	Storage Water Heater	MS IEC 60335-1:2013 MS 1597-2-21:2011	IEC 60335-1:2006 IEC 60335-2-21:2004 with modification
		(b) Instantaneous <ul style="list-style-type: none"> is for heating water; is of the instantaneous type; and incorporates live parts in contact with water. 	Instantaneous Water Heater	MS IEC 60335-1: 2013 MS 1597-2-35:2010	IEC 60335-1:2006 IEC 60335-2-35:2006 with modification

No	Category	Description of Regulated Equipment	Detail of Equipment	Standards	
				National Standard	Equivalent International Standard
19	WASHING MACHINE	<ul style="list-style-type: none"> is a household type; and is used for washing/drying clothes. but does not include - <ul style="list-style-type: none"> a type, promoted exclusively to industry/ commercial sector. 	Washing Machine with dryer	MS IEC 60335-1:2013 MS 1597:Part 2-7:2005	IEC 60335-1:2006 IEC 60335-2-7:2003 with modification
			Washing Machine with separate spin container	MS IEC 60335-1:2013 MS IEC 60335-2-4:2007 MS 1597:Part 2-7:2005	IEC 60335-1:2008 IEC 60335-2-4:2004 IEC 60335-2-7:2003 with modification
			Tumbler Dryers	MS IEC 60335-1: 2013 MS IEC 60335-2-11:2014	IEC 60335-1: 2006 IEC 60335-2-11:2012
			Cloth Dryers (on rack located)	MS IEC 60335-1: 2013 MS IEC 60335-2-43:2014	IEC 60335-1: 2006 IEC 60335-2-43:2008
		<ul style="list-style-type: none"> household type; for washing and rinsing dishes. 	Dish Washer and other utensils.	MS IEC 60335-1: 2013 MS 1597- 2-5:2005	IEC 60335-1: 2006 IEC 60335-2-5:2005 with modification
20	FAN	<ul style="list-style-type: none"> is a household type; has a primary function of moving air in its vicinity; and is self contained; 	Moving-louver fan, Ceiling fan, Auto fan, Pedestal fan, Table fan, Wall fan & applies to their separate regulators and with blade.	MS IEC 60335-1: 2013 MS 1597- 2-80:2010 MS 1220:2010	IEC 60335-1:2006 IEC 60335-2-80:2004 with modification for ceiling fan only IEC 60879:1986 with modification
			Ventilating fan, Decorative fan & applies to their separate regulators and fan without blade.	MS IEC 60335-1: 2013 MS 1597- 2-80:2010	IEC 60335-1:2006 IEC 60335-2-80:2004 with modification for ceiling fan only
			Range Hood	MS IEC 60335-1: 2013 MS IEC 60335-2-31:2014	IEC 60335-1:2006 IEC 60335-2-31:2009
			Cleaning Appliances (eg. Air Purifier)	MS IEC 60335-1: 2013 MS IEC 60335-2-65:2014	IEC 60335-1: 2006 IEC 60335-2-65:2008
			Humidifiers (eg. Air Cooler)	MS IEC 60335-1: 2013 MS IEC 60335-2-98: 2014	IEC 60335-1: 2006 IEC 60335-2-98: 2008
21	HAND OPERATED HAIR DRYER/ HAIRCARE/ SKIN CARE	<ul style="list-style-type: none"> is a household type or a commercial hand-held type; and is for drying, styling or the caring of human hair. 	Hair Dryer, Hair Styling Set, Hand Dryer, Ionic Facial Steamer or similar to it.	MS IEC 60335-1: 2013 MS IEC 60335-2-23:2007	IEC 60335-1: 2006 IEC 60335-2-23: 2005

No	Category	Description of Regulated Equipment	Detail of Equipment	Standards	
				National Standard	Equivalent International Standard
22	IRON	<ul style="list-style-type: none"> • is a household type; • is for smoothening or pressing fabric by the application of heat or steam; • is hand held except for any separate steam generator; and includes: • any associated equipment 	Iron	MS IEC 60335-1:2013 MS IEC 60335-2-3:2006	IEC 60335-1:2006 IEC 60335-2-3:2005
			Fabric Steamer	MS IEC 60335-1: 2013 MS IEC 60335-2-85:2014	IEC 60335-1: 2006 IEC 60335-2-85:2008
23	SHAVER	<ul style="list-style-type: none"> • is a household type; and • shaves, cuts or trims human hair. 	Shaver, Hair Clippers.	MS IEC 60335-1: 2013 MS IEC 60335-2-8:2002	IEC 60335-1: 2006 IEC 60335-2-8:1992+A1
24	VAPORISER	<ul style="list-style-type: none"> • is a household type; and • Purpose as air fresheners and insect repellers. 	Mosquito Matt Vapor, Aroma Vapor (eg. Air Freshener).	MS IEC 60335-1:2013 MS IEC 60335-2-101:2014	IEC 60335-1:2006 IEC 60335-2-101:2008
25	VACUUM CLEANER	<ul style="list-style-type: none"> • is a household type; • 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. <p>but does not include -</p> <ul style="list-style-type: none"> • a type, promoted exclusively to industry/ commercial sectors. 	Vacuum Cleaner, Water Suction Cleaning.	MS IEC 60335-1: 2013 MS IEC 60335-2-2:2006	IEC 60335-1: 2006 IEC 60335-2-2:2004
26	HI-FIDELITY SET	<ul style="list-style-type: none"> • is a household type; • is for 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. • An electronic device for reproduction of audio/video, connected to the supply mains, either directly or indirectly and intended for domestic and similar general indoor use 	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, Audio/Video Recorder up to 4 channels.	MS IEC 60065: 2007	IEC 60065: 2005 or IEC 62368-1:2014
27	VIDEO and VISUAL DISPLAY UNIT	<ul style="list-style-type: none"> • is for household use; • is for receiving and displaying information 	Electronic appliances such as: LCD,	MS IEC 60065:2007	IEC 60065:2005 or IEC 62368-1:2014

No	Category	Description of Regulated Equipment	Detail of Equipment	Standards	
				National Standard	Equivalent International Standard
		from a transmitting station or local source • is for the display of public or subscription television broadcasts.	LED, Plasma, CRT, and similar to it.		
28	AUDIO and VIDEO PLAYER UNIT	• is a household type; • is for 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, Laser Disc, Video Cassette Recorder, DVD, Video Rewinder, Children Video Game.	MS IEC 60065: 2007	IEC 60065: 2005 or IEC 62368-1: 2014
29	MASSAGER	• Is a household type.	Foot Massagers, Massage Bed, Massage Chair, Massage Pads, Handheld Massagers, Massage Belts.	MS IEC 60335-1:2013 MS IEC 60335-2-32:2014	IEC 60335-1:2006 IEC 60335-2-32:2008
30	AIR CONDITIONER (Cooling Capacity of 32,000 Btu/hr & below)	• A electrical assembly to provide delivery of conditioned air to an enclosed space, room or zone, including an electrically operated refrigeration system for cooling and possibly dehumidifying the air.	Split Air-conditioner, Portable Air-conditioner, Ceiling Air-conditioner	MS IEC 60335-1:2013 MS 1597-2-40: 2005	IEC 60335-1:2006 IEC 60335-2-40:2005 with modification
31	CHRISTMAS LIGHT	• is for decorative, display or illumination purposes; and consists of – - lamps or lampholders interconnected by flexible cord of less than 2.5mm ² cross-sectional area; or - lamps within a flexible enclosure; and includes – any integral power supply or control device.	Lighting Chain, Rope Light, Decorative / Festive Light.	MS IEC 60598-1: 2012 MS IEC 60598-2-20:2013	IEC 60598-1:2008 IEC 60598-2-20:2010
32	DOMESTIC POWER TOOLS (Portable Type)	• 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 the industry/ commercial sector.	Drill (Drill bit size up to 15 mm)	MS IEC 60745-1:2010 MS IEC 60745-2-1:2011	IEC 60745-1:2006 IEC 60745-2-1:2006 +A1
			Grinder (up to 100 mm)	MS IEC 60745-1:2010 MS IEC 60745-2-3:2010	IEC 60745-1:2006 IEC 60745-2-3:2006
			Sander (up to 300 W)	MS IEC 60745-1:2010 MS IEC 60745-2-4:2011	IEC 60745-1:2006 IEC 60745-2-4:2006
			Circular Saw and circular knife (Cutting Blade up	MS IEC 60745-1:2010 MS IEC 60745-2-5:2010	IEC 60745-1:2006 IEC 60745-2-5:2006

No	Category	Description of Regulated Equipment	Detail of Equipment	Standards	
				National Standard	Equivalent International Standard
			to 160 mm)		
			Spray gun for non-flammable liquid (up to 100 bars)	MS IEC 60745-1:2010 MS IEC 60745-2-7:2005	IEC 60745-1:2006 IEC 60745-2-7:1989
			Jig and Sabre Saw (up to 60 mm)	MS IEC 60745-1:2010 MS IEC 60745-2-11:2011	IEC 60745-1:2006 IEC 60745-2-11:2006
			Planer (up to 500 W)	MS IEC 60745-1:2011 MS IEC 60745-2-14:2011	IEC 60745-1:2006 IEC 60745-2-14:2006
			Trimmer (up to 300 W) Hedge trimmer and Grass shears (up to 750 W)	MS IEC 60745-1:2010 MS IEC 60745-2-15:2011	IEC 60745-1:2006 IEC 60745-2-15:2006
			Router and trimmer (up to 500 W)	MS IEC 60745-1:2010 MS IEC 60745-2-17:2012	IEC 60745-1:2006 IEC 60745-2-17:2010
			High Pressure Cleaner	MS IEC 60335-1:2013 MS IEC 60335-2-79:2007	IEC 60335-1:2006 IEC 60335-2-79:2005
		<ul style="list-style-type: none"> • is a household type; and • is for stitching fabric or other material 	Sewing Machine	MS IEC 60335-1:2013 MS IEC 60335-2-28:2003	IEC 60335-1:2006 IEC 60335-2-28:2002
		<ul style="list-style-type: none"> • is for the application or removal of solder; and • is hand held; <p>but does not include -</p> <ul style="list-style-type: none"> • a soldering iron promoted exclusively to industry 	Portable Heating Tool such as: Soldering Gun, Soldering Iron, Heat Gun, Hot Air Firelighters, Glue gun.	MS IEC 60335-1:2013 MS IEC 60335-2-45:2003	IEC 60335-1:2006 IEC 60335-2-45:2002
		33	ADAPTER / CHARGER	<ul style="list-style-type: none"> • is a household type; • is for charging batteries other than those of the automotive type; • is self contained; • is for charging one or more batteries for use in other equipment; • is for charging battery for use in mobile phone/PDA. • is imported or manufactured separately (detachable). <p>A.C. - D.C. Adapters</p> <ul style="list-style-type: none"> • A device to supply a.c. or d.c. power supply from an a.c. or d.c. source, either by 	Portable Battery Charger (up to 12 V)
Adapter for IT Equipment (up to 20V)	MS IEC 60950-1:2007				IEC 60950-1:2005 or IEC 62368-1:2014
General electrical appliances Electronic Isolating	MS IEC 61558-1:2005 MS IEC 61558-2-6: 2005				IEC 61558-1: 1998 IEC 61558-2-6:2009

No	Category	Description of Regulated Equipment	Detail of Equipment	Standards	
				National Standard	Equivalent International Standard
		itself or as part of an accessory, for domestic and similar general indoor use	Transformer		
			Switching mode power supply	MS IEC 61558-1:2005 MS IEC 61558-2-17:2007	IEC 61558-1:1998 IEC 61558-2-17:2009
			Electric toys	MS IEC 61558-1:2005 MS IEC 61558-2-7:2007;	IEC 61558-1:2009 IEC 61558-2-7: 2007
			Audio video equipment	MS IEC 60065:2007	IEC 60065:2005 or IEC 62368-1: 2014
			IT & Office products	MS IEC 60950-1:2007	IEC 60950-1:2005 or IEC 62368-1: 2014
			Shavers	MS IEC 60335-1: 2013 MS IEC 60335-2-8:2002	IEC 60335-1: 2006 IEC 60335-2-8:2000
34	WIRE / CABLE/ CORD (non-armoured) 0.5mm² to 35mm²	<ul style="list-style-type: none"> • 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 0.5mm² not exceeding 35mm² 	Polyvinyl chloride (PVC) Insulated flexible cord and cable	MS 2112-5:2009	BS EN 50525-2-11:2011 or IEC 60227-5:2011
			Rubber insulated cord and flexible cables	MS 140:1987 or MS 2127-4	BS EN 50525-2-11-2011 IEC 60245-1:2008 IEC 60245-4:2011
			PVC-insulated cable (non-armoured) for electric power and supply: - non-sheathed	MS 2112-3:2009	IEC 60227-3:1997
			PVC-insulated cable (non-armoured) for electric power and supply: - sheathed	MS 2112-4:2009	IEC 60227-4:1997