

## A. Guidelines for series approval of products for implementation of “Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012” – Phase II.

### 1) Item No. 16: Power Adaptors for IT Equipment

Product	Upto a range of output power rating will be accommodated in the series, provided
Power Adaptors for IT Equipment	<ul style="list-style-type: none"> <li>• Same rated input voltage</li> <li>• Same class of construction</li> <li>• Same mains PCB design layout and transformer</li> </ul>

### 2) Item No. 17: Power Adaptors for Audio, Video & Similar Electronic Apparatus

Product	Upto a range of output power rating will be accommodated in the series, provided
Power Adaptors for Audio, Video & Similar Electronic Apparatus	<ul style="list-style-type: none"> <li>• Same rated input voltage</li> <li>• Same class of construction</li> <li>• Same mains PCB design layout and transformer</li> </ul>

### 3) Item No. 18: UPS / Invertors of rating $\leq 5$ KVA

Product	Upto a range of output power rating will be accommodated in the series, provided
UPS / Invertors of rating $\leq 5$ KVA	<ul style="list-style-type: none"> <li>• Same rated input voltage</li> <li>• Same rated output voltage</li> <li>• Same frequency and number of phases at input / output</li> <li>• Same cabinet design and class of construction</li> <li>• Same power transformer rating and design</li> <li>• Same PCB design and layout</li> <li>• Same battery bus voltage</li> </ul>

**4) Item No. 19: DC or AC Supplied Electronic Control Gear for LED Modules**

<b>Product</b>	<b>Upto a range of output power/current rating will be accommodated in the series, provided</b>
DC or AC Supplied Electronic Control Gear for LED Modules	<ul style="list-style-type: none"> <li>• Same rated input voltage</li> <li>• Same class of construction</li> <li>• Same mains PCB design and layout</li> <li>• Same enclosure design</li> </ul>

**5) Item No. 20: Sealed Secondary Cells / Batteries containing Alkaline or other non-acidic Electrolyte for use in portable applications**

<b>Product</b>	<b>Upto a range of capacity rating will be accommodated in the series, provided</b>
Battery	<ul style="list-style-type: none"> <li>• Same nominal voltage</li> <li>• Cells of same construction design</li> <li>• Same electrodes/electrolytes</li> </ul>
Cells	<ul style="list-style-type: none"> <li>• Same nominal voltage</li> <li>• Same construction design</li> <li>• Same electrodes/electrolytes</li> <li>• Same storage capacity</li> </ul>

**6) Item No. 21: Self - Ballasted LED Lamps for General Lighting Services**

<b>Product</b>	<b>Upto a range of power will be accommodated in the series, provided</b>
Self - Ballasted LED Lamps for General Lighting Services	<ul style="list-style-type: none"> <li>• Same rated input voltage</li> <li>• Same rating of ballast (LED Gear)/Driver Circuit</li> <li>• Same mains PCB design and layout</li> <li>• Same cap design</li> </ul>

**7) Item No. 22: Fixed General Purpose LED Luminaires**

<b>Product</b>	<b>Upto a range of rated power will be allowed in the series, provided</b>
Fixed General Purpose LED Luminaires	<ul style="list-style-type: none"> <li>• Same DC or AC Supplied Electronic Control Gear for LED Modules (if inbuilt in luminaire)</li> <li>• Same material characteristics for enclosure</li> <li>• Same class of construction</li> </ul>

**8) Item No. 23: Mobile Phones**

Product	Grouping as one series, provided
Mobile Phones	<ul style="list-style-type: none"> <li>• Same battery capacity</li> <li>• Same battery charging voltage and current</li> <li>• Same battery side PCB design and layout</li> <li>• Same adaptor</li> <li>• Similar enclosure</li> </ul>

**9) Item No. 24: Cash Registers**

Product	Grouping as one series, provided
Cash Registers	<ul style="list-style-type: none"> <li>• Same rated input voltage</li> <li>• Same rated current/wattage</li> <li>• Same class of construction</li> <li>• Same mains layout or same SMPS board layout</li> <li>• Power Transformer: Same design and insulation system</li> <li>• Same enclosure except for differences of decoration parts</li> <li>• Same type of battery and capacity (if applicable)</li> </ul>

**10) Item No. 25: Point of Sale Terminals**

Product	Grouping as one series, provided
Point of Sale Terminals	<ul style="list-style-type: none"> <li>• Same rated input voltage</li> <li>• Same rated current/wattage</li> <li>• Same class of construction</li> <li>• Same degree of ingress protection</li> <li>• Same mains PCB design and layout</li> <li>• Same type of battery and capacity (if applicable)</li> </ul>

**11) Item No. 26: Copying Machines / Duplicators**

<b>Product</b>	<b>Grouping as one series, provided</b>
Copying Machines / Duplicators	<ul style="list-style-type: none"> <li>• Same rated input voltage</li> <li>• Same rated current/wattage</li> <li>• Same system of copying / duplication</li> <li>• Same largest paper size</li> <li>• Same mains layout or same SMPS board layout</li> <li>• Power Transformer: Same design and insulation system</li> <li>• Same enclosure except for differences of decoration parts</li> </ul>

**12) Item No. 27: Smart Card Readers**

<b>Product</b>	<b>Grouping as one series, provided</b>
Smart Card Readers	<ul style="list-style-type: none"> <li>• Same rated input voltage</li> <li>• Same rated current/wattage</li> <li>• Same type (Contact/Contactless)</li> <li>• Same mains layout or same SMPS board layout</li> <li>• Power Transformer: Same design and insulation system</li> <li>• Same enclosure except for differences of decoration parts</li> <li>• Same type of battery and capacity (if applicable)</li> </ul>

**13) Item No. 28: Mail Processing / Postage Machines / Franking Machines**

<b>Product</b>	<b>Grouping as one series, provided</b>
Mail Processing / Postage Machines / Franking Machines	<ul style="list-style-type: none"> <li>• Same rated input voltage</li> <li>• Same rated current/wattage</li> <li>• Same mains layout or same SMPS board layout</li> <li>• Power Transformer: Same design and insulation system</li> <li>• Same enclosure except for differences of decoration parts</li> </ul>

**14) Item No. 29: Passport Readers**

<b>Product</b>	<b>Grouping as one series, provided</b>
Passport Readers	<ul style="list-style-type: none"> <li>• Same rated input voltage</li> <li>• Same rated current/wattage</li> <li>• Same mains layout or same SMPS board layout</li> <li>• Power Transformer: Same design and insulation system</li> <li>• Same enclosure except for differences of decoration parts</li> </ul>

**15) Item No. 30: Power Banks for use in portable applications**

<b>Product</b>	<b>Upto a range of capacity rating will be accommodated in the series, provided</b>
With External Adaptor	<ul style="list-style-type: none"> <li>• Same rated input voltage</li> <li>• Same class of construction</li> <li>• Same degree of ingress protection</li> <li>• Same PCB design and layout</li> <li>• Same battery/cell type</li> <li>• Same material characteristics for enclosure</li> </ul>
With in-built Adaptor	<ul style="list-style-type: none"> <li>• Same rated input voltage</li> <li>• Same degree of ingress protection</li> <li>• Same mains PCB design and layout</li> <li>• Same battery/cell type</li> <li>• Same charging circuit</li> <li>• Same material characteristics for enclosure</li> </ul>

**B. Guidelines for Quantitative Selection of Samples**

Number of samples selected for testing from a series shall be one for every ten models in the series. However, worst case configuration from Safety Design consideration must be selected for testing.

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