

## Guidelines for Series Approval of Products for Implementation of “Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012” – Phase III

### 1. Item No. 32 : Recessed LED Luminaries

Product	Up to a range of rated power will be allowed in the series, provided
Recessed LED Luminaries	<ul style="list-style-type: none"> <li>• Same class of construction of luminaire</li> <li>• Same AC/DC input voltage of Registered Electronic Control Gear having R. Number (information to be provided)</li> </ul> <p style="text-align: center;"><b>Or</b></p> <p style="text-align: center;">Same AC/DC input voltage in case of integral type Electronic Control Gear ( i.e. without casing )</p> <p style="text-align: center;"><b>Or</b></p> <p style="text-align: center;">Same input rated voltage / rated current (if without Electronic Control Gear)</p> <ul style="list-style-type: none"> <li>• Same material for enclosure</li> </ul>

### 2. Item No. 33: LED Luminaries for road and street Lighting

Product	Up to a range of rated power will be allowed in the series, provided
LED Luminaries for road and street lighting	<ul style="list-style-type: none"> <li>• Same class of construction of luminaire</li> <li>• Same AC/DC input voltage of Registered Electronic Control Gear having R. Number (information to be provided)</li> </ul> <p style="text-align: center;"><b>Or</b></p> <p style="text-align: center;">Same AC/DC input voltage in case of integral type Electronic Control Gear ( i.e. without casing)</p> <p style="text-align: center;"><b>Or</b></p> <p style="text-align: center;">Same input rated voltage / rated current (if without Electronic Control Gear)</p> <ul style="list-style-type: none"> <li>• Same material for enclosure</li> <li>• Same ambient temperature rating</li> <li>• Same IP category</li> </ul>

**3. Item No. 34: LED Flood Lights**

<b>Product</b>	<b>Up to a range of rated power will be allowed in the series, provided</b>
LED Flood Lights	<ul style="list-style-type: none"> <li>• Same class of construction of luminaire</li> <li>• Same AC/DC input voltage of Registered Electronic Control Gear having R. Number (information to be provided)</li> </ul> <p style="text-align: center;"><b>Or</b></p> <p style="text-align: center;">Same AC/DC input voltage in case of integral type Electronic Control Gear ( i.e. without casing)</p> <p style="text-align: center;"><b>Or</b></p> <p style="text-align: center;">Same input rated voltage / rated current (if without Electronic Control Gear)</p> <ul style="list-style-type: none"> <li>• Same material for enclosure</li> <li>• Same ambient temperature rating</li> <li>• Same IP category</li> </ul>

**4. Item No. 35: LED Hand Lamps**

<b>Product</b>	<b>Up to a range of rated power will be allowed in the series, provided</b>
LED Hand Lamps	<ul style="list-style-type: none"> <li>• Same class of construction of luminaire</li> <li>• Same AC/DC input voltage of Registered Electronic Control Gear having R. Number (information to be provided)</li> </ul> <p style="text-align: center;"><b>Or</b></p> <p style="text-align: center;">Same AC/DC input voltage in case of integral type Electronic Control Gear (i.e. without casing)</p> <p style="text-align: center;"><b>Or</b></p> <p style="text-align: center;">Same input rated voltage / rated current (if without Electronic Control Gear)</p> <ul style="list-style-type: none"> <li>• Same material for enclosure</li> </ul>

**5. Item No. 36: LED Lighting Chains**

Product	Up to a range of rated power will be allowed in the series, provided
LED Lighting Chains	<ul style="list-style-type: none"> <li>• Same class of construction of luminaire</li> <li>• Same AC/DC input voltage of Registered Electronic Control Gear having R. Number ( information to be provided)</li> </ul> <p style="text-align: center;"><b>Or</b></p> <p>Same AC/DC input voltage in case of integral type Electronic Control Gear ( i.e. without casing )</p> <p style="text-align: center;"><b>Or</b></p> <p>Same input rated voltage / rated current (if without Electronic Control Gear)</p> <ul style="list-style-type: none"> <li>• Same material for enclosure</li> <li>• Same IP category</li> </ul>

**6. Item No. 37: LED Luminaries for Emergency Lighting**

Product	Up to a range of output power rating will be accommodated in the series, provided
LED Luminaries for Emergency Lighting	<ul style="list-style-type: none"> <li>• Same class of construction of luminaire</li> <li>• Same AC/DC input voltage of Registered Electronic Control Gear having R. Number ( information to be provided)</li> </ul> <p style="text-align: center;"><b>Or</b></p> <p>Same AC/DC input voltage in case of integral type Electronic Control Gear ( i.e. without casing )</p> <p style="text-align: center;"><b>Or</b></p> <p>Same input rated voltage / rated current (if without Electronic Control Gear)</p> <ul style="list-style-type: none"> <li>• Same material for enclosure</li> <li>• Same type of battery</li> <li>• Same battery nominal voltage &amp; capacity</li> <li>• Same output voltage &amp; current rating of adapter complying to IS 302.</li> </ul>

**7. Item No. 38: UPS/Inverters of rating ≤ 10KVA**

Basic Configuration	Grouping as one series provided product has
<p><b>UPS/Inverters of rating ≤ 10KVA</b></p>	<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>

**8. Item No. 39: Plasma/LCD/LED/Television Screen size up-to 32”**

Basic Configuration	Grouping as one series provided product has
<p>Plasma/LCD/LED/Television Screen size up-to 32” With in-built adapter</p>	<ul style="list-style-type: none"> <li>• Same Mains layout or same SMPS board layout.</li> <li>• Same enclosure except for differences of decoration parts.</li> <li>• Power Transformer: Same design and insulation system</li> </ul>
<p>With external adapter</p>	<ul style="list-style-type: none"> <li>• Registered adaptor of same rated input voltage and output current.</li> <li>• Same Mains layout or same SMPS board layout.</li> <li>• Same enclosure except for differences of decoration parts.</li> <li>• Power Transformer: Same design and insulation system</li> </ul>

**9. Item No. 40: Visual Display Units, Video Monitors of Screen Size up-to 32”**

Product	Grouping as one series provided product has
<p>Visual Display Units, Video Monitors of Screen Size up-to 32”</p>	<ul style="list-style-type: none"> <li>• Same Mains layout or same SMPS board layout.</li> <li>• Same enclosure except for differences of decoration parts.</li> <li>• Power Transformer: Same design and insulation system</li> </ul>

**10. Item No. 41: CCTV Cameras / CCTV Recorders**

<b>Product</b>	<b>Up to a range of max wattage &amp; maximum IR will be included in series provided</b>
CCTV Camera	<ul style="list-style-type: none"> <li>• Same voltage</li> <li>• Same PCB layout</li> <li>• Similar enclosure material except for differences of decoration parts.</li> <li>• Registered adaptor with same output rating to input of CCTV camera, if applicable.</li> <li>• Same IP rating</li> <li>• Same enclosure shape</li> </ul>
CCTV Recorder with internal power supply	<ul style="list-style-type: none"> <li>• Same Mains layout or same SMPS board layout.</li> <li>• Same enclosure material except for differences of decoration parts</li> <li>• Power Transformer: Same design and insulation system</li> </ul>

CCTV recorder with external adapter	<ul style="list-style-type: none"> <li>• Same input voltage &amp; current rating of power source/registered adapter</li> <li>• Same PCB layout</li> <li>• Same enclosure material except for differences of decoration parts.</li> </ul>
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**11. Item No. 42: Adaptors for Household and similar electrical appliances**

<b>Product</b>	<b>Grouping as one series provided product has</b>
Adaptors for Household and similar electrical appliances	<ul style="list-style-type: none"> <li>• Same class of construction</li> <li>• Same rated input voltage</li> <li>• Same Main PCB design Layout and transformer</li> </ul>

**12. Item No. 43: USB Driven Barcode Reader, Barcode Scanner, Iris scanners, Optical fingerprints scanners**

<b>Product</b>	<b>Grouping as one series provided product has</b>
USB Driven Barcode Reader, Barcode Scanner,	<ul style="list-style-type: none"> <li>• Same input voltage and current</li> <li>• Same battery nominal voltage and capacity</li> </ul>

Iris scanners, Optical fingerprints scanners	<ul style="list-style-type: none"> <li>• Same enclosure except for differences of decorative parts</li> </ul>
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### 13. Item No. 44: Smart Watches

Product	Grouping as one series provided product has
Smart Watches (with or without display)	<ul style="list-style-type: none"> <li>• Same input voltage and current</li> <li>• Same enclosure except for differences of decorative parts</li> <li>• Same battery nominal voltage and capacity</li> <li>• Same rated input voltage, class of construction of adapter</li> <li>• Adapter to be BIS registered with same rated input voltage with/without display in separate series.</li> </ul>
	<ul style="list-style-type: none"> <li>• Smart watches with SIM are covered under the mobile phones category. <i>However, smart watch, with SIM facility, which do not have text input capability would fall under category of smart watch.</i></li> </ul>

#### ➤ 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.
- For Item No. 32-37, a series may consist of up to 20 models.

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