

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"> • Same rated input voltage • Same class of construction • Same mains PCB design layout and transformer

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"> • Same rated input voltage • Same class of construction • Same mains PCB design layout and transformer

3) Item No. 18: UPS / Invertors of rating ≤ 5 KVA

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

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

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

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

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

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

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

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

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

8) Item No. 23: Mobile Phones

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

9) Item No. 24: Cash Registers

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

10) Item No. 25: Point of Sale Terminals

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

11) Item No. 26: Copying Machines / Duplicators

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

12) Item No. 27: Smart Card Readers

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

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

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

14) Item No. 29: Passport Readers

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

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

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

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.
