

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"> • Same class of construction of luminaire • Same AC/DC input voltage of Registered Electronic Control Gear having R. Number (information to be provided) <p style="text-align: center;">Or</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;">Or</p> <p style="text-align: center;">Same input rated voltage / rated current (if without Electronic Control Gear)</p> <ul style="list-style-type: none"> • Same material for enclosure |

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"> • Same class of construction of luminaire • Same AC/DC input voltage of Registered Electronic Control Gear having R. Number (information to be provided) <p style="text-align: center;">Or</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;">Or</p> <p style="text-align: center;">Same input rated voltage / rated current (if without Electronic Control Gear)</p> <ul style="list-style-type: none"> • Same material for enclosure • Same ambient temperature rating • Same IP category |

3. Item No. 34: LED Flood Lights

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

4. Item No. 35: LED Hand Lamps

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

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"> • Same class of construction of luminaire • Same AC/DC input voltage of Registered Electronic Control Gear having R. Number (information to be provided) <p style="text-align: center;">Or</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;">Or</p> <p>Same input rated voltage / rated current (if without Electronic Control Gear)</p> <ul style="list-style-type: none"> • Same material for enclosure • Same IP category |

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"> • Same class of construction of luminaire • Same AC/DC input voltage of Registered Electronic Control Gear having R. Number (information to be provided) <p style="text-align: center;">Or</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;">Or</p> <p>Same input rated voltage / rated current (if without Electronic Control Gear)</p> <ul style="list-style-type: none"> • Same material for enclosure • Same type of battery • Same battery nominal voltage & capacity • Same output voltage & current rating of adapter complying to IS 302. |

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

| Basic Configuration | Grouping as one series provided product has |
|--|---|
| UPS/Inverters of rating ≤ 10KVA | <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 |

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

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

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

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

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

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

| | |
|-------------------------------------|--|
| CCTV recorder with external adapter | <ul style="list-style-type: none"> • Same input voltage & current rating of power source/registered adapter • Same PCB layout • Same enclosure material except for differences of decoration parts. |
|-------------------------------------|--|

11. Item No. 42: Adaptors for Household and similar electrical appliances

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

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

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

| | |
|--|---|
| Iris scanners, Optical fingerprints scanners | <ul style="list-style-type: none"> • Same enclosure except for differences of decorative parts |
|--|---|

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"> • Same input voltage and current • Same enclosure except for differences of decorative parts • Same battery nominal voltage and capacity • Same rated input voltage, class of construction of adapter • Adapter to be BIS registered with same rated input voltage with/without display in separate series. |
| | <ul style="list-style-type: none"> • 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> |

➤ 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.
