

First Catalogue of Products Subject to Compulsory Certification

1. *Electrical wires and cables*

- 1) Cord sets,
- 2) Flexible rubber-sheathed cables for mining purposes,
- 3) Insulated cables (wires) for railway vehicles of rated voltage up to and including 3kV,
- 4) Rubber insulated cables of rated voltages up to and including 450/750V,
- 5) Polyvinyl chloride insulated cables of rated voltages up to and including 450/750V.

2. *Switches for circuits, Installation protective and connection devices*

- 1) Appliance couplers (household and similar purposes, industrial purpose),
- 2) Plugs and socket-outlets (household and similar purposes, industrial purpose),
- 3) Thermal-links,
- 4) Cartridge fuse-links of miniature fuse,
- 5) Switches fixed electrical installations for household and similar purposes,
- 6) Enclosures for accessories fixed electrical installations for household and similar purposes

3. *Low-voltage Electrical Apparatus*

- 1) Residual current protective devices,
- 2) Circuit-breakers (RCCB, RCBO, MCB),
- 3) Fuses,
- 4) Low-voltage switchers (disconnectors, switch-disconnectors, and fuse-combination units),
- 5) Other protective equipment for circuits (current limiting devices, circuits protective devices, over current protective devices, thermal protectors, over load relays, low-voltage electromechanical contactors and motor starters),
- 6) Relays ($36V < \text{voltage} \leq 1000V$),
- 7) Other switches (switches for appliances, vacuum switches, pressure switches, proximity switches, foot switches, thermal sensitive switches, hydraulic switches, push-button switches, Position limit switches, Micro-gap switches, two direction switches, temperature sensitive switches, travel switches, change-over switches, auto-change-over switches, knife switches),
- 8) Other devices (contactors, motor starters, indicator lights, auxiliary contact assemblies, master controllers, A.C. Semiconductor motor controllers and starters),
- 9) Low-voltage switchgear and control gear assemblies.

4. *Small power motors*

- 1) Small power motors

5. *Electric tools*

- 1) Drills (include impact drills),
- 2) Screwdrivers and impact wrenches,
- 3) Electric grinders,
- 4) Sander,

- 5) Circular saws,
- 6) Electric hammers (electric pickax),
- 7) Spray guns for non-flammable liquid,
- 8) Electric scissors (electric scissors for double-edged blades, electric impact scissors),
- 9) Electric tapping machine,
- 10) Reciprocating saws (jig saw and sabre saws),
- 11) Internal Concrete vibrators,
- 12) Electric chain saws,
- 13) Electric planer,
- 14) Electric hedge trimmer and Electric grass shears,
- 15) Electric routers and Edge trimmer,
- 16) Electric stone cutters (including Marble cutters)

6. *Welding machines*

- 1) Portable A.C. arc welding machines,
- 2) A.C. Arc welding machines,
- 3) D.C. Arc welding machines,
- 4) TIG welding machines,
- 5) MIG/MAG welding machines,
- 6) Submerged arc welding machines,
- 7) Plasma arc cutting machines,
- 8) Plasma arc welding equipment,
- 9) Electric shock protective devices for arc welding transformer,
- 10) Coupling devices for welding cables,
- 11) Resistance welding machines,
- 12) Wire feeder for welder,
- 13) TIG welding blow lamp,
- 14) MIG/MAG welding torches,
- 15) Electrode holders.

7. *Household and similar electrical appliances*

- 1) Household refrigerators and food freezers: with the effective volume under 500L, household and similar use with/without frozen compartment, frozen food storage cabinet, freezer and their combination;
- 2) Electric fans: electric fans with single-phase alternate current and direct current for household and similar use;
- 3) Air-conditioners: the refrigeration shall not be exceed 21000 cal/h for household and similar use;
- 4) Motor-compressors (input power should be under 5000W): sealed motor-compressors (hermetic and semi-hermetic type) for air-conditioners and freezing appliances for household and similar use;
- 5) Household washing machines: washing machines with/without the devices of water heating, spinning extraction and drying;
- 6) Storage water heaters: including fixed storage water heaters and instantaneous water heater, heating water to a temperature below its boiling point;

- 7) **Room heaters: radiant heaters, panel heaters, liquid-filled radiators, fan heaters, convector heaters, tubular heaters for household and similar purposes;**
- 8) **Vacuum cleaners: vacuum cleaners having the functions of suction dust or liquid, driven by either series or D.C. motors;**
- 9) **Appliances for skin and hair care: appliances with electric heating components for skin and hair care of both human and animals;**
- 10) **Electric irons: electric dry irons and steam irons for household and similar purpose;**
- 11) **Electromagnetic cookers: electromagnetic heating kitchen appliance which may contain electromagnetic heating components single hob or hobs for household or similar purpose;**
- 12) **Roasters: including rated volume not over 10L roasters, toasters, waffle irons, and similar appliances for household or similar purpose;**
- 13) **Electric food processors: household food preparation machines and similar multiple-use food preparation machines;**
- 14) **Microwave ovens: household appliances for heating food and beverages using electromagnetic energy in one or more of the L.S.M. frequency bands OVER 300 MHz . These appliances may also incorporate a browning or steaming functions;**
- 15) **Cooking ranges, hobs, ovens and similar appliances: including household cooking ranges, stationary electric ovens, hobs, stationary cooking ranges, hob elements, grills and griddles, induction ovens and grills;**
- 16) **Range hoods: electric range hoods installing above household cooking ranges, hobs and similar cooking appliances, with fans, lights and controllers;**
- 17) **Appliances for heating liquids and Water dispensers;**
- 18) **Electric rice cookers: automatic heat-preservation or timer electric rice cooker with heating components.**

8. Audio and video apparatus (not including the acoustics apparatus for broadcasting service and automobiles)

- 1) **Powered sound boxes with single or multiple speakers and under 500W (R.M.S.) max output sound power,**
- 2) **sound amplifiers,**
- 3) **tuners,**
- 4) **radio receivers,**
- 5) **audio/video recorder/player/dealer with kinds of carrier media (including cassette tape recorder/player, disc player, CD/MD player, LD/VCD/Super VCD/ DVD player, MP3 recorder/player, language leaning machine, audio/video processing apparatus, and etc.),**
- 6) **component sound/vision systems,**
- 7) **power adapters for audio/video products,**
- 8) **video cassette recorders/players,**
- 9) **color/B&W or monochrome television receivers and display monitors with kinds of display types (including LCD, PDP and back projector),**
- 10) **digital TV top-set boxes,**
- 11) **television-antenna amplifiers,**
- 12) **electronic organ and etc. appliances;**
- 13) **and also including the accessories such as Cathode-ray tubes (greater than 16cm), tuners, and remote-controllers.**

9. Information technology equipment (IT)

- 1) Personal computers (PC),
- 2) Portable personal computers,
- 3) Display units connected with computer,
- 4) Printers connected with computer,
- 5) Multiplying printer & coping machines,
- 6) Scanners,
- 7) Switching power supply units for computer and adapters, chargers,
- 8) Computer game players,
- 9) Learning machine,
- 10) Duplicators,
- 11) Servers,
- 12) Finance and trade settlement equipment.

10. Lighting apparatus (not including the lighting apparatus with the voltage lower than 36V)

- 1) Luminaries,
- 2) Ballasts

11. Telecommunication Terminal equipment

- 1) Fixed telephone terminal (Common telephone set, CID telephone set, Card Management Telephone set, Answering Machine Telephone set, Coin pay-phone set, Intelligent Card Telephone set, IC Card Public Telephone set, Hands-free Telephone set, Digital Telephone set, Additional Device of telephone set)
- 2) Cordless telephone terminal (Analogue Cordless telephone set, Digital Cordless telephone set)
- 3) Key-Phone system (Key-phone system, Telephone Conference Exchange)
- 4) Facsimile machine (Fax machine, Voice/Fax Card, Fax machine with multi-functions)
- 5) Modem (Voice-band Modem, Base-band Modem, ADSL Modem, including card)
- 6) Mobile Terminal (Analogue Mobile Station, GSM Digital Cell Mobile Station (including handset and other terminal), CDMA Digital Cell Mobile Station (including handset and other terminal))
- 7) ISDN Terminal (NT1, NT1+, TA (including card))
- 8) Data Terminal (Storing/Transmitting Fax/Voice card, POS terminal, Interface Transformer, Network Hub, Other Data Terminal)
- 9) Multimedia Terminal (Video Phone, Conference System, VOD Terminal, Other Multimedia Terminal)

12. Motor vehicles and Safety Parts

- 1) Automobiles: Motor vehicles of Categories M, N, O
- 2) Motorcycles
- 3) Motor Vehicle Parts: Safety belts,
- 4) Motor Vehicle Parts: Motorcycle engines

13. Motor vehicle Tyres

- 1) **Automobile Tyres: Passenger car tyres (Passenger car radial ply tyre, Passenger car diagonal tyre),**
- 2) **Truck tyres (Ult-light Truck tyres, Light Truck tyres, Medium/heavy Truck tyres)**
- 3) **Motorcycle Tyres: Motorcycle Tyre (Code indicating series, Metric system series, Light type series, Scooter series)**

14. Safety Glasses

- 1) **Safety Glass for Road Vehicle: Laminated Glass A, Laminated Glass B, Zone-Tempered Glass and Tempered Glass**
- 2) **Safety Glass for Building: Laminated Glass, Tempered Glass**
- 3) **Safety Glass for Railway Rolling Stock: Laminated Glass, tempered Glass, Insulated Safety Glass**

15. Agricultural Machinery

- 1) **Equipment for Crop Protection: Motorized or Manual Liquid Knapsack sprayer, Motorized or Manual Powder Knapsack sprayer, Motorized Liquid and Powder Knapsack sprayer**

16. Latex Products

- 1) **Rubber Condoms**

17. Medical Devices

- 1) **Medical Diagnostic X-Ray Equipment,**
- 2) **Haemodialysis Equipment,**
- 3) **Hollow Fiber Dialysers,**
- 4) **Extra-corporeal Blood Circuit for Blood Purification Equipment,**
- 5) **Electrocardiographs,**
- 6) **Implantable Cardiac Pacemakers,**
- 7) **Artificial Heart-Lung Machine**

18. Fire Fighting Equipment

- 1) **Fire Alarm equipment: Point Type Smoke Fire Detectors, Heat Sensitive Point Fire Detectors, Fire Alarm control Units, Control for Fire Protection Equipment, Manual Fire Alarm Button**
- 2) **Fire Hose: Lined Fire Hose, Wet Fire Hose**
- 3) **Sprinkler Extinguishment Equipment: Sprinkler, Wet System Alarm Valves, Water Flow Indicator, Fire Pressure Switch**

19. Detectors for Intruder Alarm Systems

- 1) **Detectors for Intruder Alarm Systems: Microwave Doppler detectors for use in building, Active infrared intrusion detectors, Passive infra-red detectors for use in building, Combination microwave and passive infrared intrusion detector**