

# **First Catalogue of Products Subject to Compulsory Certification**

## **1. Electrical wires and cables ( total 5 categories )**

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

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

(6 categories )

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

## **3. Low-voltage Electrical Apparatus ( 9 categories )**

Residual current protective devices, Circuit-breakers ( RCCB, RCBO, MCB ), Fuses, Low-voltage switchers (disconnectors, switch-disconnectors, and fuse-combination units), 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), Relays (  $36V < \text{voltage} \leq 1000V$  ), 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), Other devices (contactors, motor starters, indicator lights, auxiliary contact assemblies, master controllers, A.C. Semiconductor motor controllers and starters), Low-voltage switchgear and control gear assemblies.

## **4. Small power motors ( 1 category)**

Small power motors

## **5. Electric tools ( 16 categories )**

Drills (include impact drills), Screwdrivers and impact wrenches, Electric grinders, Sander, Circular saws, Electric hammers (electric pickax ), Spray guns for non-flammable liquid, Electric scissors (electric scissors for double-edged blades, electric impact scissors ), Electric tapping machine,

Reciprocating saws ( jig saw and sabre saws ), Internal Concrete vibrators, Electric chain saws, Electric planer, Electric hedge trimmer and Electric grass shears, Electric routers and Edge trimmer, Electric stone cutters(including Marble cutters)

#### 6. **Welding machines** ( 15 categories )

Portable A.C. arc welding machines, A.C. Arc welding machines, D.C. Arc welding machines, TIG welding machines, MIG/MAG welding machines, Submerged arc welding machines, Plasma arc cutting machines, Plasma arc welding equipment, Electric shock protective devices for arc welding transformer, Coupling devices for welding cables, Resistance welding machines, Wire feeder for welder, TIG welding blow lamp, MIG/MAG welding torches, Electrode holders.

#### 7. **Household and similar electrical appliances** (18 categories)

**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;

**Electric fans:** electric fans with single-phase alternate current and direct current for household and similar use;

**Air-conditioners:** the refrigeration shall not be exceed 21000 cal/ h for household and similar use;

**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;

**Household washing machines:** washing machines with/without the devices of water heating, spinning extraction and drying;

**Storage water heaters:** including fixed storage water heaters and instantaneous water heater, heating water to a temperature below its boiling point;

**Room heaters:** radiant heaters, panel heaters, liquid-filled radiators, fan heaters, convector heaters, tubular heaters for household and similar purposes;

**Vacuum cleaners:** vacuum cleaners having the functions of suction dust or liquid, driven by either series or D.C. motors;

**Appliances for skin and hair care:** appliances with electric heating components for skin and hair care of both human and animals;

**Electric irons:** electric dry irons and steam irons for household and similar purpose;

**Electromagnetic cookers:** electromagnetic heating kitchen appliance which may contain electromagnetic heating components single hob or hobs for household or similar purpose;

**Roasters:** including rated volume not over 10L roasters, toasters, waffle irons, and similar appliances for household or similar purpose;

**Electric food processors:** household food preparation machines and similar

multiple-use food preparation machines;

**Microwave ovens:** household appliances for heating food and beverages using electromagnetic energy in one or more of the I.S.M. frequency bands OVER 300 MHz . These appliances may also incorporate a browning or steaming functions;

**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;

**Range hoods:** electric range hoods installing above household cooking ranges, hobs and similar cooking appliances, with fans, lights and controllers;

**Appliances for heating liquids and Water dispensers;**

**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) ( 16 categories )

Active loud speaker system having single or multiple speaker with the max. output sound power under 500W (R.M.S.), Audio power amplifier,

Tuners, Radio receivers, Recorders, players, dealers for audio and video with kinds of carrier, media (including kinds of carrier of cassette tape and laser disc ), Combining above sound/vision apparatus, Power adapters for audio/video products, Color television receivers and display monitors with kinds of display types ( not including television receivers for automobiles), B/W television receivers and other monochrome television receivers, Picture/display tubes, Video recorders, Satellite television receivers, Electronic organs, Antenna amplifiers, Equipment and components for cable distribution systems of sound and television signals.

9.**Information technology equipment (IT)** ( 12 categories )

Personal computers (PC), Portable personal computers, Display units connected with computer, Printers connected with computer, Multiplying printer & coping machines, Scanners, Switching power supply units for computer and adapters, Chargers, Computer game players, Learning machine, Duplicators, Servers, Finance and trade settlement equipment.

10. **Lighting apparatus** ( 2 categories) (not including the lighting apparatus with the voltage lower than 36V)  
luminaries, Ballasts

11. **Telecommunication Terminal equipment** ( 9 categories )

**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 )

**Cordless telephone terminal** ( Analogue Cordless telephone set, Digital Cordless telephone set )

**Key-Phone system** ( Key-phone system, Telephone Conference Exchange )

**Facsimile machine** ( Fax machine , Voice/Fax Card , Fax machine with multi-functions )

**Modem** ( Voice-band Modem, Base-band Modem, DSL Modem,including card ),

**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) )

**ISDN Terminal** ( NT1,NT1+, TA(including card) )

**Data Terminal** ( Storing/Transmitting Fax/Voice card, POS terminal, Interface Transformer, Network Hub, Other Data Terminal )

**Multimedia Terminal** ( Video Phone, Conference System, VOD Terminal, Other Multimedia Terminal )

## 12. **Motor vehicles and Safety Parts**(4 categories)

**Automobiles:** Motor vehicles of Categories M,N,O

**Motorcycles**

**Motor Vehicle Parts:** Safety belts, Motorcycle engines

## 13. **Motor vehicle Tyres**(3 categories)

**Automobile Tyres:** Passenger car tyres (Passenger car radial ply tyre, Passenger car diagonal tyre), Truck tyres (Ult-light Truck tyres, Light Truck tyres, Medium/heavy Truck tyres)

**Motorcycle Tyres:** Motorcycle Tyre (Code indicating series, Metric system series, Light type series, Scooter series)

## 14. **Safety Glasses** ( 3 categories)

**Safety Glass for Road Vehicle:** Laminated Glass A, Laminated Glass B, Zone-Tempered Glass and Tempered Glass

**Safety Glass for Building:** Laminated Glass, Tempered Glass

**Safety Glass for Railway Rolling Stock:** Laminated Glass, tempered Glass, Insulated Safety Glass

## 15. **Agricultural Machinery** (1 category)

**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 category)

**Rubber Condoms**

17. **Medical Devices** (7 categories)

**Medical Diagnostic X-Ray Equipment, Haemodialysis Equipment, Hollow Fiber Dialysers, Extra-corporeal Blood Circuit for Blood Purification Equipment, Electrocardiographs, Implantable Cardiac Pacemakers, Artificial Heart-Lung Machine**

18. **Fire Fighting Equipment** (3 categories)

**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

**Fire Hose:** Lined Fire Hose, Wet Fire Hose

**Sprinkler Extinguishment Equipment:** Sprinkler, Wet System Alarm Valves, Water Flow Indicator, Fire Pressure Switch

19. **Detectors for Intruder Alarm Systems** (1 category):

**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