

### List of products with recommended green specifications

| Product Code   | Product Items                   | Recommended green specifications  |
|--|---------------------------------|---|
| <b>Building and construction supplies (Category Code – 01)</b> |                                 |   |
| 01   | Flooring materials              | <ul style="list-style-type: none"> <li>• The plastic floor parts should contain no less than 10% by weight of recycled plastic materials against the total weight of plastic contained in the product</li> <li>• The product containing paint should not contain any heavy metals or their compounds as listed below:               <ul style="list-style-type: none"> <li>i. Cadmium</li> <li>ii. Mercury</li> <li>iii. Hexavalent chromium</li> <li>iv. Lead</li> <li>v. Arsenic</li> <li>vi. Antimony</li> </ul> </li> <li>• Total emission: Discharge of VOC should not exceed 2g/m<sup>2</sup></li> <li>• Emission rate: Discharge of VOC should not exceed 500µg/m<sup>2</sup>/hr</li> <li>• Emission of formaldehyde from the product should not exceed 0.13mg/m<sup>3</sup> air</li> <li>• Product should not contain chlorinated / brominated paraffins, organic tin compounds, phthalates or PBDEs content</li> <li>• The product should be marked with an appropriate plastic resin identification code</li> </ul> |
| 02   | PVC pipe and fitting            | <ul style="list-style-type: none"> <li>• The product should contain at least 30% by weight of plastic waste</li> <li>• The product should be marked with an appropriate plastic resin identification code</li> <li>• The product should not contain cadmium and lead</li> <li>• The product should not contain phthalates</li> </ul>  |
| 03   | Solvent-based/Water-based paint | <ul style="list-style-type: none"> <li>• Shall comply with the VOC content requirements on regulated paints stipulated in the Air Pollution Control (VOC) Regulation of Hong Kong</li> <li>• Products should be free of CFCs</li> <li>• The paint should not be formulated with mercury, arsenic, selenium, lead, cadmium and hexavalent chromium</li> <li>• The paint or any thinner should not be formulated with formaldehyde or substances that have the potential to release formaldehyde during use</li> </ul>  |
| 04   | Carpet                          | <ul style="list-style-type: none"> <li>• Should include a post-consumer or post-industrial recycled content of at least 5% in the carpet backing</li> <li>• Emissions of Total Volatile Organic Compounds (TVOCs) should not exceed 0.5 mg/m<sup>2</sup> per hour</li> <li>• The product should be sold as removable tiles</li> <li>• The product should not be manufactured with topically applied biological inhibitors</li> <li>• Water-based adhesives or adhesive-free should be used</li> <li>• Carpets should be completely free of PVC</li> <li>• Carpet backings should be PVC free, and the carpet backing materials should be cotton, jute, resin or polyurethane</li> <li>• The product should be recyclable into either new carpet or other products, or should be capable of being refurbished</li> </ul>   |
| 05   | Safety helmet                   | <ul style="list-style-type: none"> <li>• The product should be marked with an appropriate plastic resin code</li> </ul>   |
| <b>Cleansing Products (Category Code – 02)</b>                 |                                 |   |
| 01   | All purpose cleaners            | <ul style="list-style-type: none"> <li>• Shall contain no reactive chlorine compounds</li> </ul>  |

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|---|--------------------------------|---|
|   |                                | <ul style="list-style-type: none"> <li>• Shall contain 0% EDTA according to ASTM D1767 Standard Test Method for EDTA in Soaps or Synthetic Detergents or equivalent</li> </ul>  |
|   |                                | <ul style="list-style-type: none"> <li>• Shall contain no APEO</li> </ul>   |
|   |                                | <ul style="list-style-type: none"> <li>• The product offered should be at least 90% biodegradable</li> </ul>  |
|   |                                | <ul style="list-style-type: none"> <li>• Should not contain more than 5% by mass VOC</li> </ul>   |
|   |                                | <ul style="list-style-type: none"> <li>• The pH of aqueous solution of the detergent, determined by the method described in BS 3762 or latest edition, shall be not higher than 10.5</li> </ul>   |
|   |                                | <ul style="list-style-type: none"> <li>• Should contain no halogenated organic substances or solvents</li> </ul>  |
| 02  | Laundry detergent/ Soap        | <ul style="list-style-type: none"> <li>• Shall contain no reactive chlorine compounds</li> </ul>  |
|   |                                | <ul style="list-style-type: none"> <li>• Shall contain 0% EDTA according to ASTM D1767 Standard Test Method for EDTA in Soaps or Synthetic Detergents or equivalent</li> </ul>  |
|   |                                | <ul style="list-style-type: none"> <li>• Shall contain no APEO</li> </ul>   |
|   |                                | <ul style="list-style-type: none"> <li>• The product offered should be at least 90% biodegradable</li> </ul>  |
|   |                                | <ul style="list-style-type: none"> <li>• Should not contain more than 5% by mass VOC</li> </ul>   |
|   |                                | <ul style="list-style-type: none"> <li>• Should not use phosphonates during manufacturing of the products</li> </ul>  |
|   |                                | <ul style="list-style-type: none"> <li>• Should not be formulated with optical brighteners</li> </ul>   |
| 03  | Sanitary detergent             | <ul style="list-style-type: none"> <li>• Shall contain 0% EDTA according to ASTM D1767 Standard Test Method for EDTA in Soaps or Synthetic Detergents or equivalent</li> </ul>  |
|   |                                | <ul style="list-style-type: none"> <li>• Shall contain no APEO</li> </ul>   |
|   |                                | <ul style="list-style-type: none"> <li>• The product offered should be at least 90% biodegradable</li> </ul>  |
|   |                                | <ul style="list-style-type: none"> <li>• Should not contain more than 5% by mass VOC</li> </ul>   |
|   |                                | <ul style="list-style-type: none"> <li>• The product should not contain halogenated substances</li> </ul>   |
|   |                                | <ul style="list-style-type: none"> <li>• Should not be formulated with any chemicals that are included in the International Agency for Research on Cancer lists for proven (Group 1), probable (Group 2A), or possible (Group 2B) carcinogens</li> </ul>  |
| 04  | Soap toilet liquid             | <ul style="list-style-type: none"> <li>• Should contain 0% EDTA according to ASTM D1767 Standard Test Method for EDTA in Soaps or Synthetic Detergents or equivalent</li> </ul>   |
|   |                                | <ul style="list-style-type: none"> <li>• Should contain no APEO</li> </ul>  |
|   |                                | <ul style="list-style-type: none"> <li>• The product offered should be at least 60% biodegradable</li> </ul>  |
|   |                                | <ul style="list-style-type: none"> <li>• pH of 5% solution ranges from 6-10</li> </ul>  |
|   |                                | <ul style="list-style-type: none"> <li>• Bio-accumulative preservatives are not allowed</li> </ul>  |
| 05  | Cleaning rags and cotton waste | <ul style="list-style-type: none"> <li>• <b>Cleaning Rags</b> <ol style="list-style-type: none"> <li>Addition of optical brighteners should not be permitted</li> <li>The content of detectable formaldehyde in the final product should not exceed 0.15 mg/kg.</li> <li>The content of pentachlorophenol in the final product should not exceed 0.15 mg/kg.</li> </ol> </li> <li>• <b>Cotton Waste</b><br/>AOX emissions in the bleaching effluent should be less than 100 mg Cl/kg</li> </ul> |
| 06  | Disinfectant                   | <ul style="list-style-type: none"> <li>• Should not be formulated or manufactured with builders belonging to phosphates</li> <li>• Should not be formulated or manufactured with surfactants belonging to alkyphenol ethoxylates</li> </ul>   |
| <b>Computer equipment and products (Category Code – 03)</b> |                                |   |

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|----|---|---|
| 01 | Desktop computer  | <ul style="list-style-type: none"> <li>• The equipment should have obtained a Recognition Type Energy Label under the Energy Efficiency Labelling Scheme of Electrical and Mechanical Services Department</li> <li>• Should comply with power saving standards such as ACPI and Energy Star</li> <li>• Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> <li>• Any plastic parts should be manufactured without chloroparaffin flame retardants</li> <li>• Component parts should not contain halogenated substances</li> </ul>  |
| 02 | LCD monitor   | <ul style="list-style-type: none"> <li>• The equipment should have obtained a Recognition Type Energy Label under the Energy Efficiency Labelling Scheme of Electrical and Mechanical Services Department</li> <li>• Should comply with power saving standards such as ACPI and Energy Star</li> <li>• The background lighting of the LCD monitor should not contain more than 3mg of mercury on average per lamp</li> <li>• Should be 30 watts or less when idle or low power state</li> <li>• Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> <li>• Any plastic parts should be manufactured without chloroparaffin flame retardants</li> <li>• Component parts should not contain halogenated substances</li> </ul> |
| 03 | Network products<br>(including LAN switches, routers, cables, etc.) | <ul style="list-style-type: none"> <li>• Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> <li>• Any plastic parts should be manufactured without chloroparaffin flame retardants</li> <li>• Component parts should not contain halogenated substances</li> </ul>  |
| 04 | Notebook computer   | <ul style="list-style-type: none"> <li>• The equipment should have obtained a Recognition Type Energy Label under the Energy Efficiency Labelling Scheme of Electrical and Mechanical Services Department</li> <li>• Should comply with power saving standards such as ACPI and Energy Star</li> <li>• Should be 60 watts or less when idle or low power state</li> </ul>   |

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|----|---|---|
|    |   | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul> |
|    |   | <ul style="list-style-type: none"> <li>Any plastic parts should be manufactured without chloroparaffin flame retardants</li> </ul>  |
|    |   | <ul style="list-style-type: none"> <li>Component parts should not contain halogenated substances</li> </ul>   |
| 05 | Printer   | <ul style="list-style-type: none"> <li>Laser printers should have obtained a Recognition Type Energy Label under the Energy Efficiency Labelling Scheme of Electrical and Mechanical Services Department</li> </ul>   |
|    |   | <ul style="list-style-type: none"> <li>Should comply with power saving standards such as Energy Star</li> </ul>   |
|    |   | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul> |
|    |   | <ul style="list-style-type: none"> <li>Any plastic parts should be manufactured without chloroparaffin flame retardants</li> </ul>  |
|    |   | <ul style="list-style-type: none"> <li>Plastic parts should not contain halogenated substances</li> </ul>   |
|    |   | <ul style="list-style-type: none"> <li>Should not cause an ambient ozone concentration in excess of 0.04mg/m<sup>3</sup></li> </ul>   |
|    |   | <ul style="list-style-type: none"> <li>Should not cause a dust concentration in excess of 0.25mg/m<sup>3</sup></li> </ul>   |
| 06 | Server  | <ul style="list-style-type: none"> <li>Should comply with power saving standards such as Energy Star</li> </ul>   |
|    |   | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul> |
|    |   | <ul style="list-style-type: none"> <li>Any plastic parts should be manufactured without chloroparaffin flame retardants</li> </ul>  |
|    |   | <ul style="list-style-type: none"> <li>Component parts should not contain halogenated substances</li> </ul>   |
| 07 | All-in-one multifunctional devices<br>(for copying, printing and fax) | <ul style="list-style-type: none"> <li>The equipment should have obtained a Recognition Type Energy Label under the Energy Efficiency Labelling Scheme of Electrical and Mechanical Services Department</li> </ul>  |
|    |   | <ul style="list-style-type: none"> <li>Should comply with industry power saving standard such as Energy Star</li> </ul>   |
|    |   | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul> |

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|---|--------------------------------|---|
|   |                                | <ul style="list-style-type: none"> <li>Any plastic parts should be manufactured without chloroparaffin flame retardants</li> </ul>  |
|   |                                | <ul style="list-style-type: none"> <li>Plastic parts should not contain halogenated substances</li> </ul>   |
|   |                                | <ul style="list-style-type: none"> <li>Should not cause an ambient ozone concentration in excess of 0.04mg/m<sup>3</sup></li> </ul>   |
|   |                                | <ul style="list-style-type: none"> <li>Should not cause a dust concentration in excess of 0.25mg/m<sup>3</sup></li> </ul>   |
| 08  | Scanner                        | <ul style="list-style-type: none"> <li>Should comply with industry power saving standard such as Energy Star</li> </ul>   |
|   |                                | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul> |
|   |                                | <ul style="list-style-type: none"> <li>Any plastic parts should be manufactured without chloroparaffin flame retardants</li> </ul>  |
|   |                                | <ul style="list-style-type: none"> <li>Plastic parts should not contain halogenated substances</li> </ul>   |
| <b>Electrical appliances and gas appliances and light fittings (Category Code – 04)</b> |                                |   |
| 01  | Domestic exhaust fan           | <ul style="list-style-type: none"> <li>The power factor should not be less than 0.85</li> </ul>   |
|   |                                | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul> |
|   |                                | <ul style="list-style-type: none"> <li>Corrugated cartons used for packaging should be made from recycled pulp with at least 80% recycled paper</li> </ul>  |
|   |                                | <ul style="list-style-type: none"> <li>Plastic packaging should not contain PVC or other chlorine containing plastics</li> </ul>  |
| 02  | Electric fan                   | <ul style="list-style-type: none"> <li>The power factor should not be less than 0.8</li> </ul>  |
|   |                                | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul> |
|   |                                | <ul style="list-style-type: none"> <li>Corrugated cartons used for packaging should be made from recycled pulp with at least 80% recycled paper</li> </ul>  |
|   |                                | <ul style="list-style-type: none"> <li>Plastic packaging should not contain PVC or other chlorine containing plastics</li> </ul>  |
| 03  | Electric radiator (oil filled) | <ul style="list-style-type: none"> <li>Should comply with power saving standards such as Energy Star</li> </ul>   |

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|----|------------------|---|
|    |                  | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul>   |
| 04 | LPG hot plate    | <ul style="list-style-type: none"> <li>Concentration of NOx in the emission during operation should be <math>\leq</math> 100ppm</li> <li>The thermal efficiency of the product should not be less than 60%</li> </ul>   |
| 05 | LPG water heater | <ul style="list-style-type: none"> <li>The use of asbestos based materials is forbidden</li> <li>Emission rates for NOx of 94mg/kWh or less should be met</li> <li>Emission level for CO of 40ppm or less should be met</li> <li>LPG domestic instantaneous water heater with heat input not exceeding 70kW should have obtained a Recognition Type Energy Label under the Energy Efficiency Labelling Scheme of Electrical and Mechanical Services Department</li> </ul>   |
| 06 | Refrigerator     | <ul style="list-style-type: none"> <li>The Frozen Food Storage Compartment shall be a 4-star freezer compartment, of refrigerator category 6 or above pursuant to the Energy Efficiency Labelling Scheme and shall be labeled with a mark as defined in latest edition ISO 8561 or equivalent standards</li> <li>No "Controlled Refrigerant", as defined under the Ozone Layer Protection (Controlled Refrigerants) Regulation, Cap 403 of Laws of Hong Kong shall be used in the equipment</li> <li>The equipment should have obtained a Grading Type Energy Label under the Energy Efficiency Labelling Scheme of Electrical and Mechanical Services Department and its Grading should be Grade 1</li> <li>The following substances should not be used in the production of products: <ul style="list-style-type: none"> <li>i. CFCs, HCFCs, HFCs, methylene chloride or other halogenated organic solvents</li> <li>ii. Phthalates</li> <li>iii. Elemental halogens (e.g., fluorine, chlorine, including in-situ precursors from halide salts)</li> <li>iv. APEO, their derivatives (APDs), or linear alkylbenzene sulphonates</li> </ul> </li> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul> |
| 07 | Room air cooler  | <ul style="list-style-type: none"> <li>The refrigerant used in the room air coolers shall be of non-CFCs type</li> <li>All room air coolers shall have a power factor of not less than 0.85 at full load</li> <li>The equipment should have obtained a Grading Type Energy Label under the Energy Efficiency Labelling Scheme of Electrical and Mechanical Services Department and its Grading should be Grade 1</li> </ul>   |

|                            |                       |  |                    |     |      |       |     |                            |     |     |     |     |
|----------------------------|-----------------------|--|--------------------|-----|------|-------|-----|----------------------------|-----|-----|-----|-----|
|                            |                       | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul>  |                    |     |      |       |     |                            |     |     |     |     |
| 08                         | Town gas cooker       | <ul style="list-style-type: none"> <li>Concentration of NOx in the emission during operation should be ≤ 60ppm</li> <li>The thermal efficiency of the product should not be less than 60%</li> </ul>   |                    |     |      |       |     |                            |     |     |     |     |
| 09                         | Town gas water heater | <ul style="list-style-type: none"> <li>The use of asbestos-based materials is forbidden</li> <li>Emission rates for NOx of 94mg/kWh or less should be met</li> <li>Emission level for CO of 40ppm or less should be met</li> <li>Domestic instantaneous water heater with heat input not exceeding 70kW should have obtained a Recognition Type Energy Label under the Energy Efficiency Labelling Scheme of Electrical and Mechanical Services Department</li> </ul>  |                    |     |      |       |     |                            |     |     |     |     |
| 10                         | Air Purifier/Cleaner  | <ul style="list-style-type: none"> <li>Should comply with industry power saving standard such as Energy Star</li> <li>Ozone emission of the product should not exceed 0.01 ppm</li> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> <li>Noise 「 sound pressure level 」 should satisfy the following requirements: <table border="1"> <tr> <td>Air flow 「 m/min 」</td> <td>&lt;5</td> <td>5-10</td> <td>10-20</td> <td>&lt;20</td> </tr> <tr> <td>Sound Pressure Level dB(A)</td> <td>&lt;45</td> <td>&lt;50</td> <td>&lt;55</td> <td>&lt;60</td> </tr> </table> </li> <li>Any plastic parts should be manufactured without chloroparaffin flame retardants</li> <li>Plastic parts should not contain halogenated substances</li> </ul>                                | Air flow 「 m/min 」 | <5  | 5-10 | 10-20 | <20 | Sound Pressure Level dB(A) | <45 | <50 | <55 | <60 |
| Air flow 「 m/min 」         | <5                    | 5-10   | 10-20              | <20 |      |       |     |                            |     |     |     |     |
| Sound Pressure Level dB(A) | <45                   | <50  | <55                | <60 |      |       |     |                            |     |     |     |     |
| 11                         | Dehumidifier          | <ul style="list-style-type: none"> <li>The equipment should have obtained either a Recognition Type Energy Label (equipment with rated dehumidifying capacity exceeding 35 and up to 87 litres per day) or Grading Type Energy Label (equipment with rated dehumidifying capacity not exceeding 35 litres per day) under the Energy Efficiency Labelling Scheme of Electrical and Mechanical Services Department. For equipment with a Grading Type label, its Grading should be Grade 1</li> <li>Should comply with power saving standards such as ACPI and Energy Star (Note: Not applicable for dehumidifier that is regulated under the Energy Efficiency (Labelling of Products) Ordinance, Cap. 598)</li> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul> |                    |     |      |       |     |                            |     |     |     |     |
| 12                         | Dish washer           | <ul style="list-style-type: none"> <li>Should comply with industry power saving standard such as Energy Star</li> </ul>  |                    |     |      |       |     |                            |     |     |     |     |

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|    |  | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> <li>Any plastic parts should be manufactured without chloroparaffin flame retardants</li> <li>Plastic parts should not contain halogenated substances</li> <li>The product should have clear volumetric markings on the detergent dispenser to allow adjustment according to degree of soiling.</li> <li>Water consumption of not more than 25 litres per normal cycle</li> <li>Airborne noise emission from the appliance, measured as sound power level, should not exceed 57 dB (A) on freestanding models and 51 dB (A) on built-in models.</li> </ul>   |
| 13 | Electric storage water heater                | <ul style="list-style-type: none"> <li>The use of asbestos based materials is forbidden</li> <li>Water heater with storage capacity not exceeding 300 litres should have obtained a Grading Type Energy Label under the Energy Efficiency Labelling Scheme of Electrical and Mechanical Services Department and its Grading should be Grade 1</li> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul>  |
| 14 | Electronic ballast for fluorescent tube/lamp | <ul style="list-style-type: none"> <li>The equipment should have obtained a Recognition Type Energy Label under the Energy Efficiency Labelling Scheme of Electrical and Mechanical Services Department</li> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> <li>The minimum service life should be 50,000 lighting hours at the maximum permissible measuring-point temperature (tc) and under standard network conditions</li> <li>A constant luminous flux generated by the fluorescent lighting system should be guaranteed</li> <li>The electronic ballast should be easily dismantlable into case, insulating foil, printed circuit board and electrolyte-containing components to allow material-specific recycling</li> </ul> |
| 15 | Fluorescent tube/compact fluorescent lamp    | <ul style="list-style-type: none"> <li>The integrated compact fluorescent lamp up to 60W should have obtained a Grading Type Energy Label under the Energy Efficiency Labelling Scheme of Electrical and Mechanical Services Department and its Grading should be Grade 1</li> <li>The non-integrated compact fluorescent lamp should also have obtained a Recognition Type Energy Label under the Energy Efficiency Labelling Scheme of Electrical and Mechanical Department</li> </ul>   |

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|    |   | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul>  |
|    |   | <ul style="list-style-type: none"> <li>Colour Rendering Index (CRI) of at least 80</li> </ul>  |
| 16 | LCD projector   | <ul style="list-style-type: none"> <li>Should comply with industry power saving standard such as Energy Star</li> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> <li>Any plastic parts should be manufactured without chloroparaffin flame retardants</li> <li>Plastic parts should not contain halogenated substances</li> </ul>  |
| 17 | LED lamp for households and offices (including LED exit sign) | <ul style="list-style-type: none"> <li>Should comply with industry power saving standard such as Energy Star</li> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> <li>Colour Rendering Index (CRI) of at least 80</li> <li>The luminous efficacy of new LED should meet the following requirement: <ul style="list-style-type: none"> <li>i. <b>Omni-directional lamp:</b><br/>Luminous efficacy (lm/W) for LED lamp power &lt;10W should meet 50lm/W<br/>Luminous efficacy (lm/W) for LED lamp power ≥10W should meet 55lm/W</li> <li>ii. <b>Decorative lamp:</b><br/>Luminous efficacy (lm/W) should meet 40lm/W</li> <li>iii. <b>Directional lamp:</b><br/>Luminous efficacy (lm/W) for lamp diameter ≤ 20/8inch should meet 40lm/W<br/>Luminous efficacy (lm/W) for lamp diameter ≥ 20/8inch should meet 45lm/W</li> <li>iv. <b>Non-standard lamp:</b><br/>Luminous efficacy (lm/W) should meet 55lm/W</li> </ul> </li> </ul> |
| 18 | Microwave oven  | <ul style="list-style-type: none"> <li>Should comply with industry power saving standard such as Energy Star</li> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> <li>Any plastic parts should be manufactured without chloroparaffin flame retardants</li> </ul>   |

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|  |                        | <ul style="list-style-type: none"> <li>Plastic parts should not contain halogenated substances</li> </ul>  |
| 19   | Television             | <ul style="list-style-type: none"> <li>The equipment should have obtained a Recognition Type Energy Label under the Energy Efficiency Labelling Scheme of Electrical and Mechanical Services Department</li> <li>Should comply with industry power saving standard such as Energy Star</li> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>Lead: 0.1% by weight</li> <li>Cadmium: 0.01% by weight</li> <li>Mercury: 0.1% by weight</li> <li>Hexavalent chromium: 0.1% by weight</li> <li>PBBs: 0.1% by weight</li> <li>PBDEs: 0.1% by weight</li> </ul> </li> </ul>  |
| 20   | Vacuum cleaner         | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>Lead: 0.1% by weight</li> <li>Cadmium: 0.01% by weight</li> <li>Mercury: 0.1% by weight</li> <li>Hexavalent chromium: 0.1% by weight</li> <li>PBBs: 0.1% by weight</li> <li>PBDEs: 0.1% by weight</li> </ul> </li> <li>Any plastic parts should be manufactured without chloroparaffin flame retardants</li> <li>Plastic parts should not contain halogenated substances</li> </ul>  |
| 21   | Washing machine/ Dryer | <ul style="list-style-type: none"> <li>The equipment should have obtained a Grading Type Energy Label under the Energy Efficiency Labelling Scheme of Electrical and Mechanical Services Department and its Grading should be Grade 1</li> <li>Should comply with industry power saving standard such as Energy Star (Note: Not applicable for washing machine that is regulated under the Energy Efficiency (Labelling of Products) Ordinance, Cap. 598)</li> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>Lead: 0.1% by weight</li> <li>Cadmium: 0.01% by weight</li> <li>Mercury: 0.1% by weight</li> <li>Hexavalent chromium: 0.1% by weight</li> <li>PBBs: 0.1% by weight</li> <li>PBDEs: 0.1% by weight</li> </ul> </li> <li>Airborne noise emission from the appliance, measured as sound power level, should not exceed 60 dB (A) during washing and 76 dB(A) during spinning</li> </ul> |
| <b>Fuel oils and hydrocarbon lubricants (Category Code – 05)</b> |                        |  |
| 01   | Automotive fuel oil    | <ul style="list-style-type: none"> <li>Euro V Unleaded Petrol - sulphur content: 10mg/kg, max, lead content : 5mg/L, max</li> <li>Euro V Diesel <ul style="list-style-type: none"> <li>– sulphur content: 10mg/kg, maximum limit.</li> <li>– should contain biodiesel: a fatty acid methyl ester content of 5% by volume in diesel</li> </ul> </li> <li>Motor vehicle diesel shall contain no more than 11% by mass of polycyclic aromatic hydrocarbons as specified in Schedule 1 of the Air Pollution Control (Motor Vehicle Fuel) Regulation of Hong Kong</li> </ul>  |
| 02   | Lubricating oil/grease | <ul style="list-style-type: none"> <li>Product should have recycled content</li> <li>High temperature water-resistant grease should be lead-free</li> <li>Should contain less than (i) 5ppm total organic halides (ii) 1ppm PCBs and (iii) 5ppm each of benzo(a)pyrene and benzo(a)anthracene</li> </ul>   |
| <b>Furniture (Category Code – 06)</b>                            |                        |  |
| 01   | Chair                  | <ul style="list-style-type: none"> <li><b>Requirements of wood or wooden materials</b><br/>Wood material or fibre should obtain forest management certification such as FSC or AFCS</li> </ul>   |

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|    |                  | <ul style="list-style-type: none"> <li>• <b>Requirements of plastic materials:</b><br/>Plastic parts should not contain the following substances: <ul style="list-style-type: none"> <li>i. Lead</li> <li>ii. Chromium</li> <li>iii. Cadmium</li> <li>iv. Mercury</li> <li>v. Phthalates</li> <li>vi. Halogenated organic substances</li> </ul> </li> </ul>   |
|    |                  | <ul style="list-style-type: none"> <li>• <b>Requirements of cushioning materials</b><br/>The formaldehyde emission of foam synthetic resin should be 30mg/kg (30ppm) or less</li> </ul>   |
|    |                  | <ul style="list-style-type: none"> <li>• <b>Requirements of the paint used on the surface of the chair</b><br/>The sum of lead, cadmium, mercury, and hexavalent chromium included in the paint should be below the weight percentage of 0.1 (1,000mg/kg)</li> </ul>  |
| 02 | Mattress         | <p><b>The following requirements should be met for Latex foam:</b></p> <ul style="list-style-type: none"> <li>i. Heavy metals: <ul style="list-style-type: none"> <li>• copper &lt; 2ppm,</li> <li>• chromium, nickel &lt; 1ppm,</li> <li>• arsenic, lead, antimony, cobalt &lt; 0.5ppm,</li> <li>• cadmium &lt; 0.1ppm,</li> <li>• mercury &lt; 0.02ppm</li> </ul> </li> <li>ii. Extractable formaldehyde : &lt; 30ppm</li> <li>iii. VOC : &lt; 0.5mg/m<sup>3</sup></li> <li>iv. Metal complex dyes based on copper, lead, chromium or nickel should not be used</li> <li>v. Chlorophenols (salts and esters): &lt; 0.1ppm mono, di-chlorinated phenols (salts and esters) &lt; 0.1ppm</li> <li>vi. Butadiene: &lt; 1ppm</li> <li>vii. Nitrosamines: &lt; 0.001mg/m<sup>3</sup></li> </ul> <p><b>The following requirements should be met for Polyurethane (PUR) foam:</b></p> <ul style="list-style-type: none"> <li>i. Heavy metals: <ul style="list-style-type: none"> <li>• copper &lt; 2ppm,</li> <li>• chromium and nickel &lt; 1ppm,</li> <li>• arsenic, lead, antimony and cobalt &lt; 0.5ppm,</li> <li>• cadmium &lt; 0.1ppm,</li> <li>• mercury &lt; 0.02ppm</li> </ul> </li> <li>ii. Extractable formaldehyde : &lt; 30ppm</li> <li>iii. VOC : &lt; 0.5mg/m<sup>3</sup></li> <li>iv. CFCs, HCFCs, HFCs, methylene chloride should not be used as blowing agents.</li> <li>v. Tin in organic form (tin bonded to a carbon atom) should not be used.</li> <li>vi. Metal complex dyes based on copper, lead, chromium or nickel should not be used</li> </ul> <ul style="list-style-type: none"> <li>• All glues should be free from benzene and chlorobenzenes</li> <li>• Cushioning material should not contain formaldehyde, aromatic hydrocarbons, phthalates, organic tins, cadmium, lead, hexavalent chromium, mercury, and their compounds</li> </ul> |
| 03 | Partition screen | <ul style="list-style-type: none"> <li>• <b>Formaldehyde Emission:</b> All wooden board used shall be of Class E1 in respect of formaldehyde emission requirements as follows –<br/>MDF board : ≤ 8mg/100g (by test method EN120)<br/>Plywood : release ≤0.124mg/m<sup>3</sup> air (by test method EN 717-1)</li> <li>• <b>Hazardous Substances:</b> The following substances should not be added during manufacturing: arsenic, cadmium, lead, mercury, fluorine, PCP, tar oils (benzo(a)pyrene)</li> </ul>  |

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|    |                      | <ul style="list-style-type: none"> <li>• <b>Coatings / Treatments:</b> Furniture and fittings products (or components) should not be impregnated, labelled, coated or otherwise treated in a manner which would prevent post consumer recycling</li> <li>• <b>Packaging Requirements:</b> Chlorinated or halogenated plastics should not be used in product packaging</li> </ul>  |
| 04 | Sofa                 | <ul style="list-style-type: none"> <li>• <b>Requirements of wood or wooden materials</b><br/>Wood material or fibre should obtain forest management certification such as FSC or AFCS</li> <li>• <b>Requirements of plastic materials:</b><br/>Plastic parts should not contain the following substances: <ul style="list-style-type: none"> <li>i. Lead</li> <li>ii. Chromium</li> <li>iii. Cadmium</li> <li>iv. Mercury</li> <li>v. Phthalates</li> <li>vi. Halogenated organic substances</li> </ul> </li> <li>• <b>Requirements of cushioning and filling materials</b> <ul style="list-style-type: none"> <li>i. Halogenated flame retardants should not be added</li> <li>ii. Organic bleaching agent should not be added production</li> <li>iii. Dye stuff should not contain lead, tin, cadmium, hexavalent chromium and mercury</li> </ul> </li> <li>• <b>Requirements of packaging materials</b><br/>Chlorinated plastic should not be used</li> </ul> |
| 05 | Steel filing cabinet | <ul style="list-style-type: none"> <li>• Colour coating should not contain: <ul style="list-style-type: none"> <li>i. Formaldehyde or halogen solvent</li> <li>ii. Any heavy metallic substances such as mercury, lead, cadmium, chromium or their oxide</li> <li>iii. Aromatic hydrocarbon, such as solvents of thinner toluene or xylene, except other materials, which have a better chemical reaction or are as good as these aromatic hydrocarbon compounds</li> <li>iv. VOCs over 250g/litre</li> </ul> </li> <li>• The compound of 1, 1, 1-trichloroethane should not be used for the surface preparing process</li> </ul>   |
| 06 | Workstation panel    | <ul style="list-style-type: none"> <li>• <b>Formaldehyde Emission:</b> All wooden board used shall be of Class E1 in respect of formaldehyde emission requirements as follows –<br/>MDF board: <math>\leq 8\text{mg}/100\text{g}</math> (by test method EN120)<br/>Plywood: release <math>\leq 0.124\text{mg}/\text{m}^3</math> air (by test method EN 717-1)</li> <li>• <b>Hazardous Substances:</b> The following substances should not be added during manufacturing: arsenic, cadmium, lead, mercury, fluorine, PCP, tar oils (benzo(a)pyrene)</li> <li>• <b>Coatings / Treatments:</b> Furniture and fittings products (or components) should not be impregnated, labelled, coated or otherwise treated in a manner which would prevent post consumer recycling</li> <li>• <b>Packaging Requirements:</b> Chlorinated or halogenated plastics should not be used in product packaging</li> </ul>   |
| 07 | Metal furniture      | <ul style="list-style-type: none"> <li>• It should be possible to separate the metals from other materials in the product without the use of special tools. This requirement does not apply to metals used in surface treatments</li> <li>• Colour coating should not contain: <ul style="list-style-type: none"> <li>i. Formaldehyde or halogen solvent</li> <li>ii. Any heavy metallic substances such as lead, cadmium, chromium and their compounds</li> </ul> </li> </ul>  |

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|  |   | <ul style="list-style-type: none"> <li>If the product contains plastic parts, the plastic parts should not contain the following substances:             <ol style="list-style-type: none"> <li>Lead</li> <li>Chromium</li> <li>Cadmium</li> <li>Mercury</li> <li>Phthalates</li> <li>Halogenated organic substances</li> </ol> </li> </ul>   |
| 08   | Wooden furniture  | <ul style="list-style-type: none"> <li><b>Formaldehyde Emission:</b> All wooden board used should be of Class E1 in respect of formaldehyde emission requirements as follows:<br/>MDF board : <math>\leq 8\text{mg}/100\text{g}</math> (by test method EN120)<br/>Plywood : release <math>\leq 0.124\text{mg}/\text{m}^3</math> air (by test method EN 717-1)</li> <li><b>Requirements of wood or wooden materials</b><br/>Wood material or fibre should obtain forest management certification such as FSC or AFCS</li> <li><b>Hazardous Substances:</b> The following substances should not be added during manufacturing: arsenic, cadmium, lead, mercury, fluorine, PCP, tar oils (benzo(a)pyrene)</li> </ul>   |
| <b>Household goods (Category Code – 07)</b>  |   |   |
| 01   | Bag/Backpack  | <ul style="list-style-type: none"> <li>Plastic parts should not contain the following substances:             <ol style="list-style-type: none"> <li>Lead</li> <li>Chromium</li> <li>Cadmium</li> <li>Mercury</li> <li>Phthalates</li> <li>Halogenated organic substances</li> </ol> </li> <li>The following requirements should be met for textile / synthetic leather:             <ol style="list-style-type: none"> <li>Formaldehyde : <math>\leq 75 \text{ mg/kg}</math></li> <li>Pentachlorophenol (PCP) : <math>\leq 0.5 \text{ mg/kg}</math></li> <li>Lead : <math>\leq 1.0 \text{ mg/kg}</math></li> <li>Cadmium : <math>\leq 0.1 \text{ mg/kg}</math></li> <li>Total Chromium : <math>\leq 2.0 \text{ mg/kg}</math></li> <li>Hexavalent chromium : should not be detected</li> <li>Mercury : <math>\leq 0.02 \text{ mg/kg}</math></li> <li>Azo dyes : <math>\leq 30 \text{ mg/kg}</math> for each</li> </ol> </li> <li>The following requirements should be met for leather:             <ol style="list-style-type: none"> <li>Formaldehyde : <math>\leq 150 \text{ mg/kg}</math></li> <li>Pentachlorophenol (PCP) : <math>\leq 0.5 \text{ mg/kg}</math></li> <li>Lead : <math>\leq 1.0 \text{ mg/kg}</math></li> <li>Cadmium : <math>\leq 0.1 \text{ mg/kg}</math></li> <li>Total Chromium : <math>200 \text{ mg/kg}</math></li> <li>Hexavalent chromium : <math>\leq 3.0 \text{ mg/kg}</math></li> <li>Mercury : <math>\leq 0.02 \text{ mg/kg}</math></li> <li>Azo dyes : <math>\leq 30 \text{ mg/kg}</math> for each</li> </ol> </li> </ul> |
| 02   | Gloves for field work (polythene, disposable)(rubber, industrial)(white cotton) | <ul style="list-style-type: none"> <li>For polythene (disposable) and rubber (industrial) gloves<br/>The product should not be impregnated, labelled, coated or otherwise treated in a manner which would prevent post consumer recycling</li> <li>For white cotton gloves<br/>AOX emissions in the bleaching effluent should be less than 100 mg Cl/kg</li> </ul>  |
| <b>Office equipment (Category Code – 08)</b> |   |   |
| 01   | Facsimile equipment   | <ul style="list-style-type: none"> <li>The equipment should have obtained a Recognition Type Energy Label under the Energy Efficiency Labelling Scheme of Electrical and Mechanical Services Department</li> <li>Should comply with industry power saving standard such as Energy Star</li> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are:             <ol style="list-style-type: none"> <li>Lead: 0.1% by weight</li> <li>Cadmium: 0.01% by weight</li> <li>Mercury: 0.1% by weight</li> <li>Hexavalent chromium: 0.1% by weight</li> <li>PBBs: 0.1% by weight</li> <li>PBDEs: 0.1% by weight</li> </ol> </li> </ul>   |

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|    |                                  | <ul style="list-style-type: none"> <li>Any plastic parts should be manufactured without chloroparaffin flame retardants</li> </ul>  |
|    |                                  | <ul style="list-style-type: none"> <li>Plastic parts should not contain halogenated substances</li> </ul>   |
|    |                                  | <ul style="list-style-type: none"> <li>Should not cause an ambient ozone concentration in excess of 0.04mg/m<sup>3</sup></li> </ul>   |
|    |                                  | <ul style="list-style-type: none"> <li>Should not cause a dust concentration in excess of 0.25mg/m<sup>3</sup></li> </ul>   |
| 02 | Photocopier                      | <ul style="list-style-type: none"> <li>The equipment should have obtained a Recognition Type Energy Label under the Energy Efficiency Labelling Scheme of Electrical and Mechanical Services Department</li> </ul>  |
|    |                                  | <ul style="list-style-type: none"> <li>Should comply with power saving standard such as Energy Star</li> </ul>  |
|    |                                  | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul> |
|    |                                  | <ul style="list-style-type: none"> <li>Any plastic parts should be manufactured without chloroparaffin flame retardants</li> </ul>  |
|    |                                  | <ul style="list-style-type: none"> <li>Plastic parts should not contain halogenated substances</li> </ul>   |
|    |                                  | <ul style="list-style-type: none"> <li>Should not cause an ambient ozone concentration in excess of 0.04mg/m<sup>3</sup></li> </ul>   |
|    |                                  | <ul style="list-style-type: none"> <li>Should not cause a dust concentration in excess of 0.25mg/m<sup>3</sup></li> </ul>   |
| 03 | Fire extinguisher                | <ul style="list-style-type: none"> <li>Halogen compounds should not be used as the charging gas</li> </ul>  |
|    |                                  | <ul style="list-style-type: none"> <li>Fire extinguishing agents should not contain heavy metals such as lead, cadmium, copper, nickel, mercury, and zinc</li> </ul>  |
|    |                                  | <ul style="list-style-type: none"> <li>Plastic materials used for packaging should not contain polymers consisting of halogens</li> </ul>   |
| 04 | Paper shredder                   | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul> |
|    |                                  | <ul style="list-style-type: none"> <li>Any plastic parts should be manufactured without chloroparaffin flame retardants</li> </ul>  |
|    |                                  | <ul style="list-style-type: none"> <li>Plastic parts should not contain halogenated substances</li> </ul>   |
| 05 | Hot/cold bottled water dispenser | <ul style="list-style-type: none"> <li>The equipment should have obtained a Recognition Type Energy Label under the Energy Efficiency Labelling Scheme of Electrical and Mechanical Services Department</li> </ul>  |
|    |                                  | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul> |
|    |                                  | <ul style="list-style-type: none"> <li>Any plastic parts should be manufactured without chloroparaffin flame retardants</li> </ul>  |

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|   |   | <ul style="list-style-type: none"> <li>Plastic parts should not contain halogenated substances</li> </ul>   |
| <b>Paper for printing and photocopying (Category Code – 09)</b> |   |   |
| 01  | Continuous stationery for computer-generated form | <ul style="list-style-type: none"> <li>The product should contain 50% of recycled or at least 30% of postconsumer materials</li> </ul>  |
| 02  | Photocopying recycled paper                       | <ul style="list-style-type: none"> <li>Should obtain copy of forestry certification(s) or green labels awarded to the brand product offered or manufacturer such as Forest Stewardship Council and Programme for the Endorsement of Forestry Certification</li> </ul> |
|   |   | <ul style="list-style-type: none"> <li>The paper shall contain at least 80% recovered fibre or at least 40% postconsumer fibre by weight</li> </ul>   |
|   |   | <ul style="list-style-type: none"> <li>Paper packing (paper wrapper and carton box) shall be made from 100% recovered fibre by weight</li> </ul>  |
|   |   | <ul style="list-style-type: none"> <li>Bleaching agent being used in pulp/paper production, if necessary, should not contain chlorine</li> </ul>  |
|   |   | <ul style="list-style-type: none"> <li>Surfactant used in pulp/paper production, if necessary, should be biodegradable</li> </ul>   |
|   |   | <ul style="list-style-type: none"> <li>COD in water discharge during pulp and paper production should be less than 20kg/tonne of paper produced</li> </ul>  |
|   |   | <ul style="list-style-type: none"> <li>Should be without the use of optical brightener or fluorescent whitening agents as a specified component</li> </ul>  |
|   |   | <ul style="list-style-type: none"> <li>No dyes, pigments or coatings should be used that contain phthalates, mercury, lead, copper, chromium, nickel, aluminium or cadmium as constituent parts</li> </ul>  |
|   |   | <ul style="list-style-type: none"> <li>The processing of raw materials (i.e., waste paper) should be done without any halogenated bleaching agents and EDTA</li> </ul>  |
|   |   | <ul style="list-style-type: none"> <li>Plastic packing, if applicable, should be made from chlorine free plastics</li> </ul>  |
| 03  | Recycled paper for printing                       | <ul style="list-style-type: none"> <li>Should obtain copy of forestry certification(s) or green labels awarded to the brand product offered or manufacturer such as Forest Stewardship Council and Programme for the Endorsement of Forestry Certification</li> </ul> |
|   |   | <ul style="list-style-type: none"> <li>The paper should contain at least 80% recovered fibre or at least 40% postconsumer fibre by weight</li> </ul>  |
|   |   | <ul style="list-style-type: none"> <li>Paper packing (paper wrapper and carton box) should be made from 100% recovered fibre by weight</li> </ul>   |
|   |   | <ul style="list-style-type: none"> <li>Bleaching agent being used in pulp/paper production, if necessary, should not contain chlorine</li> </ul>  |
|   |   | <ul style="list-style-type: none"> <li>Surfactant used in pulp/paper production, if necessary, should be biodegradable</li> </ul>   |
|   |   | <ul style="list-style-type: none"> <li>COD in water discharge during pulp and paper production should be less than 20kg/tonne of paper produced</li> </ul>  |
|   |   | <ul style="list-style-type: none"> <li>Should be without the use of optical brightener or fluorescent whitening agents as a specified component</li> </ul>  |
|   |   | <ul style="list-style-type: none"> <li>No dyes, pigments or coatings should be used that contain phthalates, mercury, lead, copper, chromium, nickel, aluminium or cadmium as constituent parts</li> </ul>  |
|   |   | <ul style="list-style-type: none"> <li>The processing of raw materials (i.e., waste paper) should be done without any halogenated bleaching agents and EDTA</li> </ul>  |
|   |   | <ul style="list-style-type: none"> <li>Pallet packing material should not contain chlorine-based plastics</li> </ul>  |
| 04  | Woodfree photocopying paper                       | <ul style="list-style-type: none"> <li>Should obtain copy of forestry certification(s) or green labels awarded to the brand product offered or manufacturer such as Forest Stewardship Council and Programme for the Endorsement of Forestry Certification</li> </ul> |
|   |   | <ul style="list-style-type: none"> <li>Should obtain copy of a valid ISO 14001 (Environmental Management System) Certificate or equivalent national / international accreditation certificate of each of the manufacturer</li> </ul>                                  |

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|    |   | <ul style="list-style-type: none"> <li>The paper pulp shall be made from sustainable forests and materials with recycled content are preferable</li> </ul>  |
|    |   | <ul style="list-style-type: none"> <li>Paper packing (paper wrapper and carton box) shall be made from 100% recovered fibre by weight</li> </ul>  |
|    |   | <ul style="list-style-type: none"> <li>Bleaching agent used in pulp/paper production, if necessary, should not contain chlorine</li> </ul>  |
|    |   | <ul style="list-style-type: none"> <li>Surfactant used in pulp/paper production, if necessary, should be biodegradable</li> </ul>   |
|    |   | <ul style="list-style-type: none"> <li>COD in water discharge during pulp and paper production should be less than 20kg/tonne of paper produced</li> </ul>  |
|    |   | <ul style="list-style-type: none"> <li>No dyes or pigments should be used that contain lead, copper, chromium, nickel, aluminium or cadmium as constituent parts</li> </ul>   |
|    |   | <ul style="list-style-type: none"> <li>The processing of raw materials (i.e., waste paper) should be processed without any halogenated bleaching agents and EDTA</li> </ul>   |
| 05 | Printing Paper Coated on Both Sides   | <ul style="list-style-type: none"> <li>Should obtain copy of forestry certification(s) or green labels awarded to the brand product offered or manufacturer such as Forest Stewardship Council and Programme for the Endorsement of Forestry Certification</li> </ul> |
|    |   | <ul style="list-style-type: none"> <li>The paper should contain at least 80% recovered fibre or at least 40% postconsumer fibre by weight</li> </ul>  |
|    |   | <ul style="list-style-type: none"> <li>Paper packing (paper wrapper and carton box) should be made from 100% recovered fibre by weight</li> </ul>   |
|    |   | <ul style="list-style-type: none"> <li>Bleaching agent being used in pulp/paper production, if necessary, should not contain chlorine</li> </ul>  |
|    |   | <ul style="list-style-type: none"> <li>Surfactant used in pulp/paper production, if necessary, should be biodegradable</li> </ul>   |
|    |   | <ul style="list-style-type: none"> <li>COD in water discharge during pulp and paper production should be less than 20kg/tonne of paper produced</li> </ul>  |
|    |   | <ul style="list-style-type: none"> <li>Should be without the use of optical brightener or fluorescent whitening agents as a specified component</li> </ul>  |
|    |   | <ul style="list-style-type: none"> <li>No dyes, pigments or coatings should be used that contain phthalates, mercury, lead, copper, chromium, nickel, aluminium or cadmium as constituent parts</li> </ul>  |
|    |   | <ul style="list-style-type: none"> <li>The processing of raw materials should be done without any halogenated bleaching agents and EDTA</li> </ul>  |
|    |   | <ul style="list-style-type: none"> <li>Plastic packing, if applicable, should be made from chlorine free plastics</li> </ul>  |
| 06 | Woodfree printing paper   | <ul style="list-style-type: none"> <li>Should obtain copy of forestry certification(s) or green labels awarded to the brand product offered or manufacturer such as Forest Stewardship Council and Programme for the Endorsement of Forestry Certification</li> </ul> |
|    |   | <ul style="list-style-type: none"> <li>Should obtain copy of a valid ISO 14001 (Environmental Management System) Certificate or equivalent national / international accreditation certificate of each of the manufacturer</li> </ul>                                  |
|    |   | <ul style="list-style-type: none"> <li>The paper pulp should be made from sustainable forests and materials with recycled content are preferable</li> </ul>   |
|    |   | <ul style="list-style-type: none"> <li>Paper packing (paper wrapper and carton box) should be made from 100% recovered fibre by weight</li> </ul>   |
|    |   | <ul style="list-style-type: none"> <li>Bleaching agent used in pulp/paper production, if necessary, should not contain chlorine</li> </ul>  |
|    |   | <ul style="list-style-type: none"> <li>Surfactant used in pulp/paper production, if necessary, should be biodegradable</li> </ul>   |
|    |   | <ul style="list-style-type: none"> <li>COD in water discharge during pulp and paper production should be less than 20kg/tonne of paper produced</li> </ul>  |
|    |   | <ul style="list-style-type: none"> <li>No dyes or pigments should be used that contain lead</li> </ul>  |
|    |   | <ul style="list-style-type: none"> <li>The processing of raw materials should be processed without any halogenated bleaching agents and EDTA</li> </ul>   |
|    | <b>Paper products other than for printing and photocopying (Category Code – 10)</b> |   |
| 01 | Brown wrapping paper  | <ul style="list-style-type: none"> <li>The wood pulp should be derived from sustainable forests</li> </ul>  |

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|  |                            | <ul style="list-style-type: none"> <li>The product should have a minimum of 30% recovered fibre by weight and that recovered fibre should contain not less than 25% postconsumer fibre</li> </ul>                               |
| 02   | Toilet paper & paper towel | <p><b>Toilet Paper in Rolls</b></p> <ul style="list-style-type: none"> <li>The toilet paper must contain by weight 100% recovered fibre and that recovered fibre must contain not less than 60% postconsumer fibre</li> </ul>   |
|  |                            | <ul style="list-style-type: none"> <li>Bleaching agent used in pulp/paper production, if necessary, must not contain chlorine</li> </ul>  |
|  |                            | <ul style="list-style-type: none"> <li>Surfactant used in pulp/paper production, if necessary, must be biodegradable</li> </ul>   |
|  |                            | <ul style="list-style-type: none"> <li>The core, paper wrapping and carton box packing must be made from 100% recovered fibre and the cartons must be strong enough for storage and transit</li> </ul>                          |
|  |                            | <ul style="list-style-type: none"> <li>Wrapping : Each roll to be securely wrapped with paper made from 100% recovered fibre</li> </ul>   |
|  |                            | <ul style="list-style-type: none"> <li>Packing: To be packed in strong cartons made from 100% recovered fibre, should be with 100 rolls in each carton. The cartons must be strong enough for storage and transit</li> </ul>    |
|  |                            | <p><b>Paper Towel (Manifold)</b></p> <ul style="list-style-type: none"> <li>Contains by weight 100% recovered fibre and that recovered fibre must contain not less than 60% postconsumer fibre</li> </ul>                       |
|  |                            | <ul style="list-style-type: none"> <li>Bleaching agent used in pulp/paper production, if necessary, must not contain chlorine</li> </ul>  |
|  |                            | <ul style="list-style-type: none"> <li>Surfactant used in pulp/paper production, if necessary, must be biodegradable</li> </ul>   |
|  |                            | <ul style="list-style-type: none"> <li>Carton box packing must be made of 100% recovered fibre</li> </ul>   |
|  |                            | <p><b>Jumbo Roll Toilet Paper</b></p> <ul style="list-style-type: none"> <li>The toilet paper must contain by weight 100% recovered fibre and that recovered fibre must contain not less than 60% postconsumer fibre</li> </ul> |
|  |                            | <ul style="list-style-type: none"> <li>The core and carton box packing must be made from 100% recovered fibre</li> </ul>  |
|  |                            | <ul style="list-style-type: none"> <li>Bleaching agent used in pulp/paper production, if necessary, must not contain chlorine</li> </ul>  |
|  |                            | <ul style="list-style-type: none"> <li>Surfactant used in pulp/paper production, if necessary, must be biodegradable</li> </ul>   |
|  |                            | <p><b>Hand Roll Paper Towel</b></p> <ul style="list-style-type: none"> <li>The paper towel must contain by weight 100% recovered fibre and that recovered fibre must contain not less than 60% postconsumer fibre</li> </ul>    |
|  |                            | <ul style="list-style-type: none"> <li>The core and carton box packing must be made from 100% recovered fibre</li> </ul>  |
| <ul style="list-style-type: none"> <li>Bleaching agent used in pulp/paper production, if necessary, must not contain chlorine</li> </ul> |                            |   |
| <ul style="list-style-type: none"> <li>Surfactant used in pulp/paper production, if necessary, must be biodegradable</li> </ul>          |                            |   |
| 03   | Index card (paper)         | <ul style="list-style-type: none"> <li>The product should contain 50% of recycled or at least 30% of postconsumer materials</li> </ul>  |
| <b>Plastic and rubber products (Category Code – 11)</b>  |                            |   |
| 01   | Garbage collection bin     | <ul style="list-style-type: none"> <li>Should contain at least 25% recycled plastic content</li> </ul>  |
|  |                            | <ul style="list-style-type: none"> <li>The product should be marked with an appropriate plastic resin identification code</li> </ul>  |
|  |                            | <ul style="list-style-type: none"> <li>The product should not contain cadmium and lead</li> </ul>   |
| 02   | Plastic garbage bag        | <p><b>For plastic garbage bags with recycled contents:</b></p> <ul style="list-style-type: none"> <li>All items of plastic bags shall be made from at least 70% of recycled plastics content</li> </ul>                         |
|  |                            | <ul style="list-style-type: none"> <li>The product should contain a minimum of 30% postconsumer material</li> </ul>   |
|  |                            | <ul style="list-style-type: none"> <li>The product should be marked with an appropriate plastic resin identification code</li> </ul>  |
|  |                            | <p><b>For plastic garbage bags which are degradable:</b></p> <ul style="list-style-type: none"> <li>Should be at least 60% biodegradation within 180 days according to HS2001 biodegradability test or equivalent</li> </ul>    |

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| 03   | Plastic bags (other uses)                      | <p><b>For plastic bags with recycled contents:</b></p> <ul style="list-style-type: none"> <li>• It should contain a minimum of 30% by weight of recycled plastic</li> <li>• The product should be marked with an appropriate plastic resin identification code</li> </ul> <p><b>For plastic bags which are degradable:</b></p> <ul style="list-style-type: none"> <li>• Should be at least 60% biodegradation within 180 days according to HS2001 biodegradability test or equivalent</li> </ul>  |
| 04   | Traffic bollard                                | <ul style="list-style-type: none"> <li>• The raw material of the bollard shall be made of recycled plastic with at least 50% recycled plastic content. The percentage of recycled plastic content must be stated</li> <li>• The product shall be marked with an appropriate plastic resin identification code</li> <li>• The recycled plastic product (or component) should not be impregnated, labelled, coated or otherwise treated in a manner which would prevent post consumer recycling</li> <li>• If 1,3-butadiene is used in latex, rubber or foams, its concentration should be less than 1mg/kg</li> <li>• The following substances should not be added during manufacturing: arsenic, cadmium, chromium, lead, mercury, tin (including organic tin catalysts or stabilizers), fluorine, chlorine, PCP and tar oils (benzo(a)pyrene)</li> </ul>   |
| 05   | General plastic products                       | <ul style="list-style-type: none"> <li>• Should contain a minimum of 25% plastic recycled material by weight, as a proportion of total plastic content</li> <li>• The product should be marked with an appropriate plastic resin identification code</li> <li>• The product should not contain cadmium and lead</li> </ul>  |
| 06   | General rubber products                        | <ul style="list-style-type: none"> <li>• The product should not contain the following substances: <ul style="list-style-type: none"> <li>i. Halogenated organic solvents or binding agents</li> <li>ii. Elemental halogens (e.g., fluorine, chlorine, including in-situ precursors from halide salts)</li> <li>iii. Fluoropolymer additives or coatings</li> <li>iv. Aniline based amines</li> <li>v. Phthalates</li> <li>vi. Aziridine or polyaziridines</li> <li>vii. Pigments and additives that contain lead, tin, arsenic, cadmium, mercury or their compounds</li> <li>viii. CFCs, HCFCs, HFCs or any ozone depleting substances</li> <li>ix. PBDEs, or chlorinated organic flame retardants</li> <li>x. 1,3-butadiene</li> </ul> </li> </ul>   |
| <b>Printing and publishing equipment and supplies (Category Code – 12)</b> |  |   |
| 01   | Environment-friendly lithographic process inks | <ul style="list-style-type: none"> <li>• The ink shall contain a minimum of 20% vegetable or soybean oil in its compositions and free from harmful hazardous heavy metals and petroleum-based chemicals</li> <li>• The ink shall comply with the VOC limits for regulated printing inks stipulated in the Air Pollution Control (VOC) Regulation of Hong Kong</li> <li>• The product should not be purposefully formulated with pigments based on compounds of antimony, arsenic, cadmium, hexavalent chromium, lead, mercury and selenium</li> <li>• The product should not be formulated with <ul style="list-style-type: none"> <li>i) Phthalates</li> <li>ii) Halogenated solvents</li> <li>iii) Aromatic hydrocarbons at concentrations exceeding 1% in total by weight</li> </ul> </li> <li>• Methanol should not be used, except in industrial methylated spirits at most 5%</li> <li>• Inks should not use hydroquinone and formaldehyde or they should not have potentials to release formaldehyde during use</li> </ul> |

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|  |                                | <ul style="list-style-type: none"> <li>The product should not exceed the following VOC and mineral oil content levels: <ul style="list-style-type: none"> <li>i. Water-based inks: VOC &lt; 5%; mineral oil content = 0%</li> <li>ii. Sheetfed offset inks: VOC &lt; 3%; mineral oil content &lt; 1%</li> <li>iii. Heatset web offset inks: VOC &lt; 25%; mineral oil content &lt; 25%</li> <li>iv. Coldset web offset and letterpress inks: VOC &lt; 4%; mineral oil content &lt; 25%</li> <li>v. Ultraviolet cured inks: VOC &lt; 2%; mineral oil content = 0%</li> </ul> </li> <li>Solvents should not exceed 10% by weight</li> <li>Ink containers should be recyclable</li> </ul>  |
| <b>Shoes and boots (Category Code – 13)</b>                |                                |   |
| 01   | Rainboot                       | <ul style="list-style-type: none"> <li>The rainboot should contain at least 20% recycled material</li> <li>The amount of formaldehyde should not exceed 75 mg/kg</li> </ul>   |
| 02   | Safety boot/Shoe               | <ul style="list-style-type: none"> <li>Halogenated compounds such as PVC should not be used for producing plastic parts weighing 25g or more. But, recycled PVC can be used for outsoles</li> <li>The amount of pentachlorophenol (PCP) should not exceed 0.05 mg/kg</li> <li>The sum content of arsenic, cadmium chromium (VI) and lead should not exceed 10 mg/kg</li> <li>The amount of formaldehyde of the footwear should not exceed the following limits:<br/>textile: 75 mg/kg; leather: 150 mg/kg</li> <li>The levels of dimethylformate (DMF) should not exceed 0.1 mg/kg</li> </ul>   |
| <b>Stationery and office supplies (Category Code – 14)</b> |                                |   |
| 01   | Adhesive tape & tape dispenser | <p><b>Adhesive tape:</b></p> <ul style="list-style-type: none"> <li>The product should use solvent-free adhesive coating process</li> <li>The sum of concentration levels of lead, cadmium, mercury and hexavalent chromium present should not exceed 600ppm</li> <li>Adhesive tape core should be made from recycled paper or recycled plastic</li> </ul> <p><b>Adhesive tape dispenser</b></p> <ul style="list-style-type: none"> <li>The product should contain at least 25% recycled plastic content</li> <li>The product should be marked with an appropriate plastic resin identification code</li> </ul>   |
| 02   | Correction fluid and Thinner   | <ul style="list-style-type: none"> <li>Must not contain ozone depleting substances</li> <li>Must comply with EN71 Part 3 latest version</li> </ul>  |
| 03   | File box                       | <ul style="list-style-type: none"> <li>The box shall be made of hard and stiff cardboard containing at least 50% recovered fibre</li> </ul>   |
| 04   | General office stationery      | <ul style="list-style-type: none"> <li>For plastic office stationery, the product should contain a minimum of 25% of recycled plastic material</li> </ul>   |
| 05   | Ink/Toner cartridge            | <ul style="list-style-type: none"> <li>The product supplier should provide collection, recycling and delivery services to various government departments</li> <li>Packaging material should contain information on recycling channel / method</li> <li>The recycling percentage of recovered toner cartridge parts should be over 95% of the total product weight (excluding the toner)</li> <li>The product should not contain any materials containing mercury, cadmium, lead, nickel or hexavalent chromium compounds as constituent parts</li> <li>PBBs, PBDEs or chlorinated paraffins should not be used in plastics</li> <li>The toners should not contain azo colourants (dyes or colour pigments) that can release carcinogenic substances</li> <li>Paper packaging, if applicable, should contain recycled paper content with at least 50% recovered fibre content by weight</li> </ul> |
| 06   | Self-stick note pad            | <ul style="list-style-type: none"> <li>Products should be made from paper of at least 25% postconsumer fibre. The remaining content shall be 100% derived from sustainable forests</li> </ul>   |

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| 07 | Paper envelope                | <ul style="list-style-type: none"> <li>Paper should have a minimum of 30% recovered fibre by weight and that recovered fibre should contain not less than 30% postconsumer fibre. The remaining paper pulp should be made from sustainable forests</li> </ul>   |
| 08 | Paper file jacket             | <ul style="list-style-type: none"> <li>Covers shall be made of hard and stiff cardboard containing a minimum of 50% recovered fibre by weight</li> </ul>  |
| 09 | Pen                           | <b>White Board Marking Pen</b> <ul style="list-style-type: none"> <li>Toxic elements for surface coating and ink must comply with EN71 Part 3 latest version</li> </ul>   |
|    |                               | <b>Pen</b> <ul style="list-style-type: none"> <li>Should comply with EN71 Part 3 latest version</li> </ul>  |
|    |                               | <ul style="list-style-type: none"> <li>Refillable ink or refills are available</li> </ul>   |
|    |                               | <ul style="list-style-type: none"> <li>Ink and dye used should not contain aromatic compounds and halogenated solvent</li> </ul>  |
| 10 | Pencil                        | <ul style="list-style-type: none"> <li>Pencil barrel must be made of recycled paper</li> </ul>  |
|    |                               | <ul style="list-style-type: none"> <li>Colour paint used must be non-toxic</li> </ul>   |
|    |                               | <ul style="list-style-type: none"> <li>No heavy metals in the dye of graphite</li> </ul>  |
| 11 | Plastic file jacket           | <ul style="list-style-type: none"> <li>For file jacket with plastics laminated and welded paper cardboard and 2-ring spring mechanism, the cardboard must be hard and stiff and containing at least 50% recovered fibre which should contain a minimum of 50% postconsumer fibre</li> </ul>   |
|    |                               | <ul style="list-style-type: none"> <li>File with clear pockets should contain a minimum of 30% plastics recycled material by weight, as a proportion of total plastic content</li> </ul>  |
|    |                               | <ul style="list-style-type: none"> <li>The product should be marked with an appropriate plastic resin identification code</li> </ul>  |
|    |                               | <ul style="list-style-type: none"> <li>The product should not contain cadmium and lead</li> </ul>   |
| 12 | Rechargeable battery          | <ul style="list-style-type: none"> <li>The lead content in a battery shall not exceed 40ppm</li> </ul>  |
|    |                               | <ul style="list-style-type: none"> <li>The mercury content in a battery shall not exceed 5ppm</li> </ul>  |
|    |                               | <ul style="list-style-type: none"> <li>The cadmium content in a battery shall not exceed 20ppm</li> </ul>   |
| 13 | Standard/Alkaline dry battery | <ul style="list-style-type: none"> <li>The lead content in a battery shall not exceed 40ppm</li> </ul>  |
|    |                               | <ul style="list-style-type: none"> <li>The mercury content in a battery shall not exceed 1ppm</li> </ul>  |
|    |                               | <ul style="list-style-type: none"> <li>The cadmium content in a battery shall not exceed 10ppm</li> </ul>   |
| 14 | Calculator                    | <ul style="list-style-type: none"> <li>Solar cell calculators should ensure full functioning at a minimum luminal flux of 50 lux or lower</li> </ul>  |
|    |                               | <ul style="list-style-type: none"> <li>The product should not contain organic halogen compounds (e.g. Polychlorinated Biphenyls)</li> </ul>   |
|    |                               | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul> |
| 15 | Correction tape               | <ul style="list-style-type: none"> <li>The plastic part of the product should contain a minimum of 25% of recycled plastic material</li> </ul>  |
| 16 | Glue/Adhesive                 | <ul style="list-style-type: none"> <li>Adhesives used in stationery products should not contain alkylphenol ethoxylates (APEOs), phthalates, halogenated solvents or bioaccumulative preservatives</li> </ul>   |
|    |                               | <ul style="list-style-type: none"> <li>Adhesive products should not contain more than 5% by weight of Volatile Organic Compounds</li> </ul>   |

|   |                            |   |
|---|----------------------------|---|
| 17  | Ink for stamp pad          | <ul style="list-style-type: none"> <li>Ink and dye used should not contain aromatic compounds and halogenated solvent</li> </ul>  |
|   |                            | <ul style="list-style-type: none"> <li>Toxic elements for ink should comply with EN71 Part 3 latest version</li> </ul>  |
|   |                            | <ul style="list-style-type: none"> <li>The product should not contain any materials containing mercury, cadmium, lead, nickel or hexavalent chromium compounds as constituent parts</li> </ul>  |
| 18  | Pre-inked stamp            | <ul style="list-style-type: none"> <li>Ink and dye used should not contain aromatic compounds and halogenated solvent</li> </ul>  |
|   |                            | <ul style="list-style-type: none"> <li>Toxic elements for ink should comply with EN71 Part 3 latest version</li> </ul>  |
|   |                            | <ul style="list-style-type: none"> <li>The product should not contain any materials containing mercury, cadmium, lead, nickel or hexavalent chromium compounds as constituent parts</li> </ul>  |
|   |                            | <ul style="list-style-type: none"> <li>The plastic part of the product should contain a minimum of 25% of recycled plastic material</li> </ul>  |
| <b>Telecommunications equipment and spares (Category Code – 15)</b> |                            |   |
| 01  | Key telephone system       | <ul style="list-style-type: none"> <li>Should comply with power saving standards such as Energy Star</li> </ul>   |
|   |                            | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul>           |
| 02  | Mobile phone               | <ul style="list-style-type: none"> <li>The outer casing and surface coating of the product should not contain nickel</li> </ul>   |
|   |                            | <ul style="list-style-type: none"> <li>The product should not contain beryllium oxide</li> </ul>  |
|   |                            | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul>           |
|   |                            | <ul style="list-style-type: none"> <li>Any plastic parts should be manufactured without chloroparaffin flame retardants</li> </ul>  |
| 03  | Radio communication system | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS compliant. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>i. Lead: 0.1% by weight</li> <li>ii. Cadmium: 0.01% by weight</li> <li>iii. Mercury: 0.1% by weight</li> <li>iv. Hexavalent chromium: 0.1% by weight</li> <li>v. PBBs: 0.1% by weight</li> <li>vi. PBDEs: 0.1% by weight</li> </ul> </li> </ul> |
|   |                            | <ul style="list-style-type: none"> <li>Component parts should not contain halogenated substances</li> </ul>   |
|   |                            | <ul style="list-style-type: none"> <li>Any plastic parts should not be manufactured with chloroparaffin flame retardants</li> </ul>   |
|   |                            | <ul style="list-style-type: none"> <li>The lead content in the rechargeable battery should not exceed 40ppm</li> </ul>  |
|   |                            | <ul style="list-style-type: none"> <li>The mercury content in the rechargeable battery should not exceed 5ppm</li> </ul>  |

|   |                               | <ul style="list-style-type: none"> <li>The cadmium content in the rechargeable battery should not exceed 20ppm</li> </ul>   |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |
|---|-------------------------------|---|-------|----------------------------|---------|--------|---------|--------|----------|---------|------|--------|---------|-------|-------|----------------------------|---------|--------|---------|--------|----------|---------|--------|---------|--------|---------|------|--------|---------|------|
| 04  | Radio paging equipment        | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>Lead: 0.1% by weight</li> <li>Cadmium: 0.01% by weight</li> <li>Mercury: 0.1% by weight</li> <li>Hexavalent chromium: 0.1% by weight</li> <li>PBBs: 0.1% by weight</li> <li>PBDEs: 0.1% by weight</li> </ul> </li> <li>Any plastic parts should not be manufactured with chloroparaffin flame retardants</li> <li>Component parts should not contain halogenated substances</li> </ul>  |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |
| 05  | Radio transceiver             | <ul style="list-style-type: none"> <li>Product components (circuit boards, electrical, electronic and plastic components) should comply with RoHS. Maximum Concentration Values of the RoHS restricted substances are: <ul style="list-style-type: none"> <li>Lead: 0.1% by weight</li> <li>Cadmium: 0.01% by weight</li> <li>Mercury: 0.1% by weight</li> <li>Hexavalent chromium: 0.1% by weight</li> <li>PBBs: 0.1% by weight</li> <li>PBDEs: 0.1% by weight</li> </ul> </li> <li>The lead content in the rechargeable battery should not exceed 40ppm</li> <li>The mercury content in the rechargeable battery should not exceed 5ppm</li> <li>The cadmium content in the rechargeable battery should not exceed 20ppm</li> </ul>   |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |
| 06  | Telephone battery             | <ul style="list-style-type: none"> <li>The rechargeable battery should not exceed the following heavy metals content: <ul style="list-style-type: none"> <li>Lead: ≤ 15ppm</li> <li>Cadmium: ≤ 5ppm</li> <li>Mercury: ≤ 5ppm</li> </ul> </li> </ul>   |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |
| <b>Textile materials and garment (Category Code – 16)</b> |                               |   |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |
| 01  | Clothing and textile products | <ul style="list-style-type: none"> <li>The levels of ionic impurities for pigments used should not exceed the following: <table border="1"> <thead> <tr> <th>Items</th> <th>Levels of ionic impurities</th> </tr> </thead> <tbody> <tr> <td>arsenic</td> <td>50 ppm</td> </tr> <tr> <td>cadmium</td> <td>50 ppm</td> </tr> <tr> <td>chromium</td> <td>100 ppm</td> </tr> <tr> <td>lead</td> <td>100ppm</td> </tr> <tr> <td>mercury</td> <td>25ppm</td> </tr> </tbody> </table> </li> <li>The levels of ionic impurities for dyes should not exceed the following: <table border="1"> <thead> <tr> <th>Items</th> <th>Levels of ionic impurities</th> </tr> </thead> <tbody> <tr> <td>arsenic</td> <td>50 ppm</td> </tr> <tr> <td>cadmium</td> <td>20 ppm</td> </tr> <tr> <td>chromium</td> <td>100 ppm</td> </tr> <tr> <td>cobalt</td> <td>500 ppm</td> </tr> <tr> <td>copper</td> <td>250 ppm</td> </tr> <tr> <td>lead</td> <td>100ppm</td> </tr> <tr> <td>mercury</td> <td>4ppm</td> </tr> </tbody> </table> </li> <li>Azo dyes should not be used</li> <li>For products which contact the skins directly, the levels of formaldehyde should not exceed 75 ppm</li> </ul> | Items | Levels of ionic impurities | arsenic | 50 ppm | cadmium | 50 ppm | chromium | 100 ppm | lead | 100ppm | mercury | 25ppm | Items | Levels of ionic impurities | arsenic | 50 ppm | cadmium | 20 ppm | chromium | 100 ppm | cobalt | 500 ppm | copper | 250 ppm | lead | 100ppm | mercury | 4ppm |
| Items   | Levels of ionic impurities    |   |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |
| arsenic   | 50 ppm                        |   |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |
| cadmium   | 50 ppm                        |   |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |
| chromium  | 100 ppm                       |   |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |
| lead  | 100ppm                        |   |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |
| mercury   | 25ppm                         |   |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |
| Items   | Levels of ionic impurities    |   |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |
| arsenic   | 50 ppm                        |   |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |
| cadmium   | 20 ppm                        |   |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |
| chromium  | 100 ppm                       |   |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |
| cobalt  | 500 ppm                       |   |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |
| copper  | 250 ppm                       |   |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |
| lead  | 100ppm                        |   |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |
| mercury   | 4ppm                          |   |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |
| <b>Vehicles and spare parts (Category Code – 17)</b>      |                               |   |       |                            |         |        |         |        |          |         |      |        |         |       |       |                            |         |        |         |        |          |         |        |         |        |         |      |        |         |      |

|    |  |   |
|----|--|---|
| 01 | Environment-friendly vehicles<br>(private/commercial vehicles) | <ul style="list-style-type: none"> <li>• Should meet the Environmental Protection Department's qualifying standards for tax incentives schemes for environment-friendly petrol private cars or commercial vehicles</li> <li>• Should be hybrid or electric vehicles</li> <li>• All components and materials used on the vehicle shall be asbestos free</li> </ul>   |
| 02 | Light bus  | <ul style="list-style-type: none"> <li>• Shall use LPG fuel or it should be hybrid/electric vehicles</li> <li>• Should meet the Environmental Protection Department's qualifying standards for tax incentive scheme for environment-friendly commercial vehicles</li> <li>• All components and materials used on the vehicle shall be asbestos free</li> </ul>  |
| 03 | Rubber /Retreaded tyre   | <ul style="list-style-type: none"> <li>• Tyres should contain at least 5% recycled rubber by weight, as a proportion of total content of rubber compound</li> <li>• The following compounds should not be added to the finished products: <ul style="list-style-type: none"> <li>i. Halogenated organic solvents or binding agents</li> <li>ii. Elemental halogens (e.g., fluorine, chlorine, including in-situ precursors from halide salts)</li> <li>iii. Fluoropolymer additives or coatings</li> <li>iv. Aniline based amines</li> <li>v. Phthalates</li> <li>vi. Aziridine or polyaziridines</li> <li>vii. Pigments and additives that contain lead, tin, arsenic, cadmium, mercury or their compounds</li> <li>viii. CFCs, HCFCs, HFCs or any ozone depleting substances</li> <li>ix. PBDEs, or chlorinated organic flame retardants</li> <li>x. 1,3-butadiene</li> </ul> </li> </ul> |

**Glossary:**

ACPI: Advanced Configuration and Power Interface

AFCS: The Australian Forest Certification Scheme

AOX: Adsorbable Organic Halogens

APDs: Alkylphenol derivatives

APEO: Alkylphenol ethoxylates

ASTM: American Society for Testing and Materials

BBP: Benzylbutylphthalate

BS: British Standards

BS 3761: Specification for solvent-based paint remover

CFCs: Chlorofluorocarbons

CFR: Code of Federal Regulations

Cl: Chlorine

CO: Carbon monoxide

COD: Chemical Oxygen Demand

CRI: Colour Rendering IndexdB(A): decibel (A-weighted measurements)

DBP: Dibutyl phthalate

DDT: Dichlorodiphenyltrichloroethane

DEHP: Bis(2-ethylhexyl)phthalate

DHTDMAC: Di(hardened tallow) dimethyl ammonium chloride

DIN EN ISO 15320:2004: Pulp, paper and board - Determination of pentachlorophenol in an aqueous extract

DMF: Dimethylformate

DSDMAC: Distearyl dimethyl ammonium chloride

DTDMAC: Bis(hydrogenated tallow alkyl) dimethyl ammonium chloride

DTPA: Diethylene triamine penta acetate

EDTA: Ethylene Diamine Tetraacetate

EN: European Standards

EN71 part 3: Safety of toys — Part 3: Migration of certain elements

EN120: Wood based panels. Determination of formaldehyde content. Extraction method called the perforator method

EN717-1: Wood-based panels - Determination of formaldehyde release - Part 1: Formaldehyde emission by the chamber method

FSC: Forest Stewardship Council

HCFCs: Hydrochlorofluorocarbons

HFCs: Hydrofluorocarbons

HS2001: HS2001 Biodegradability Test

ISO: International Organization for Standardization

ISO 14001: Environmental management systems -- Requirements with guidance for use

LAS: Linear alkylbenzene sulfonates

LED: Light-emitting diode

lm: Lumen

lux: illuminance

MDF board: Medium-density fibreboard

NOx: Mono-nitrogen oxides (i.e., nitrogen (II) oxide and nitrogen (IV) oxide)

OECD: Organisation for Economic Co-operation and Development

PBBs: Polybrominated biphenyls

PBDEs: Polybrominated diphenyl ethers

PCBs: Polychlorinated biphenyls

PCP: Pentachlorophenol

ppm: Parts-per-million

PVC: polyvinyl chloride

RoHS: the Restriction of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations

TBT: Tributyltin

TVOCs: Total Volatile Organic Compounds (TVOCs)

TPT: Triphenyltin

USEPA: United States Environmental Protection Agency

VOC: Volatile organic compounds