



K C Engineering

Whitemetal Bearing Repair and Manufacture Specialists

PURCHASING QUALITY SPECIFICATION KCE.E-06

Environmental Expectations for Suppliers

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1.0 Scope

K.C. Engineering Ltd. operates an Environmental Management System in compliance with ISO 14001:2004.

The purpose of this procedure is to convey the requirements of our Environmental Management Systems to our Suppliers. It also details the requirements for all purchase orders to ensure that products and services supplied do not introduce Environmental problems to the Company.

2.0 Overview

K.C. Engineering Ltd. is committed to doing business with Suppliers who operate responsibly with regard to the Environment. We require our Suppliers to comply with all applicable laws, regulations, orders and policies in providing services and materials to K.C. Engineering Ltd.. It is also expected that they understand their own Environmental aspects and impacts and the choices available to minimise them.

This document has been developed and implemented to define our requirements to Suppliers, as part of our supply chain strategy.

3.0 Materials / Design

3.1 Types of material: where the exact material specifications are not designated by K.C. Engineering Ltd., the Supplier should ensure that the goods are not manufactured with restricted materials (such as CFCs, heavy metals etc) based upon international regulations and standards. Additionally, preference shall be given to materials which can be recycled.

3.2 Chemicals / Substances Hazardous to Health: All products supplied that are hazardous to health and the environment must be accompanied by a manufacturers material safety data sheet (MSDS). Suppliers are expected to be aware of all relevant legislation applicable to this area, such as REACH, RoHS, CoSHH and are expected to be compliant and only supply goods to K.C. Engineering Ltd. that comply with the legislation. Any hazardous substance supplied must contain all certification as required by applicable legislation.

3.3 Recycled / reused Content: Suppliers should look for opportunities to incorporate reused or recycled content into their product offerings without negatively impacting product quality.

3.4 Product Use: All products supplied consume resources, or produce waste in some form or another during intended use. The following are our expectations for product / material use:

3.4.1 Use of resources: The Supplier should provide products that minimise the use of resources and creation of waste during intended use.

3.4.2 Emissions: Equipment / products supplied should minimise potential emissions such as heat, noise, gases, odours etc.

4.0 Manufacturing

4.1 Pollution prevention and waste minimisation efforts are important for reducing product costs and increasing product quality. The following are 'manufacturing stage expectations':

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- 4.2 Local Regulations:** The Supplier should operate facilities that are as a minimum, in compliance with Local Authority regulations.
- 4.3 Restricted Materials:** A Supplier should not use restricted materials during the manufacture of their products. These materials include ozone depleting substances (CFCs).
- 4.4 Consumption of Resources:** Suppliers should look for opportunities to reduce resource and energy consumption.
- 4.5 Emissions:** The Supplier should look for opportunities to reduce the emissions to air, water and land.
- 4.6 Communication:** The Supplier should have a timely process to communicate Environmental issues and to deal with external enquiries including complaints.

5.0 Shipping / Distribution

The manner in which a product is packaged and shipped to K.C. Engineering Ltd. or to our Customers may affect the environment and product costs. The following are our expectations at the distribution / shipping stage:

5.1 Packaging: As Suppliers you should:

- minimise packaging materials,
- select packaging materials that contain recycled and / or readily recyclable material,
- select packaging that can be returned and re-used,
- eliminate restricted materials including cadmium, hexavalent chromium, lead or mercury,
- all packaging materials used to import goods to K.C. Engineering Ltd. must be treated and stamped in accordance with UN Standard ISPM-No. 15.

5.2 Size of Package: Suppliers should optimise the size and weight of the product used to reduce shipping costs, minimise energy used during transportation and reduce potential risks during handling.

5.3 Transportation: Unless specified otherwise by K.C. Engineering Ltd. a Supplier should select distribution systems that minimise energy consumption. Transportation of hazardous materials should be selected in compliance with the relevant legislation.

6.0 Product End of Life (EOL)

6.1 For products used within the EU, legislation is applicable that regulates how certain products are managed at the end of its life. Examples include the WEEE (Waste Electrical and Electronic Equipment) regulations and the End of Life Vehicles act. The following are our expectations with regard to these legislative acts:

- 6.1.1 Waste Management:** Suppliers should have an EMS that accounts for the correct disposal of returned products, or portions of a product (such as packaging) that cannot be re-used, recycled or re-manufactured.
- 6.1.2 Take-back:** A Supplier must consider which products, or portions of products will be accepted back for EOL management and should consider opportunities to recycle or re-manufacture these products.
- 6.1.3 Environmental legislation;** A Supplier may be asked to provide EOL options in response to the EU WEEE directive where this applies. Additionally, a Supplier may be asked to provide labelling and other product information to help K.C. Engineering Ltd. meet the requirements of the directive.