

Green Supply Chain Management

September 25, 2020

Green Supply Chain Management (GrSCM) aims to **integrate environmental thinking into supply chain management**. This includes product design, material sourcing and selection, the manufacturing process, delivery of the final product to consumers, and end-of-life product management.

Central Concepts Associated With GrSCM

- **Green purchasing and procurement**, which involves the selection and acquisition of products and services to minimise any negative impacts over product life cycles associated with manufacturing, transportation, usage, and recycling.
- In many countries, governments, industries, and civil society organisations work collaboratively to purchase eco-friendly products.
- **Green manufacturing**, which uses production processes that have relatively low environmental impacts, are highly efficient, and generate little waste or pollution.
- Green manufacturing can lead to lower raw material costs, production efficiency gains, reduced environmental and occupational safety expenses, and an improved corporate image.
- **Green distribution**, which relates to packaging and logistics. Packaging characteristics (such as size, shape, and the materials used) have an impact on distribution and transportation.
- Better packaging, together with rearranged loading patterns can mean a reduction in the quantity of materials used, better use of space, and less need for handling.
- **Reverse logistics**, the process by which manufacturers accept previously shipped products from the point of

consumption for recycling and remanufacturing where possible.

