



**QCS MANAGEMENT PVT LTD.**

**Management system certification accredited by ASCB-UK**

**ISO 14001:2015 Environment Management System- A Beginners Guide (PREVIEW)**

**Introduction:**

Achieving a balance between Environment, Society & economy is considered essential to meet the need of the present without compromising with the needs & expectations of our future. Sustainable development can only be achieved through the three Pillars of sustainability. The rising expectations of the society for sustainable development, Transparency & accountability have led to increasingly stringent legislations, growing pressures on the environment through pollution, inefficient use of resources, improper waste management, climate change, degradation of eco system and loss of biodiversity.

This has led organizations to adopt a systematic approach of environment Management by an effective implementation of Environment Management system to support the environment pillar of sustainability.

**Objectives of EMS:**

- Protection of Environment through Prevention of adverse Environmental Impacts
- Mitigation of potential adverse effect of Environmental conditions on the organization
- Assisting the organization in fulfillment of its compliance obligations
- Enhancing environmental Performance
- Controlling or influencing the way the Products & services are designed,, Manufactured, distributed, used & disposed of through an effective application of Life cycle perspective which prevents the environmental Impacts to unintentionally shifted elsewhere in the life cycle.
- Implementation of Environmentally sound alternatives improves the operations & market position of the company leading them to more financial rewards.
- Helps to communicate relevant environmental information to Interested parties.



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### **ISO 14001:2015 Requirements**

#### **1.Scope :**

The intended outcomes of an EMS for an organization are;

- Enhancement of environmental Performance
- Fulfillment of compliance obligations
- Achievement of environmental objectives

This International standard can be incorporated as a whole or in parts to systematically improve the environmental performance of companies from any sector. However the conformity to this standard cannot be claimed without fulfillment of all its requirements without any exclusions.

**2. Normative references-** There is no Normative references.

#### **3. Terms & definitions :**

##### **1. Terms related to leadership & Organization**

**Management system :** A set of interrelated elements of an organization to set policies , objectives & Processes to achieve the objectives.

**Note:**

Management system can address a single discipline or several disciplines such as quality, Environment, Occupational Health & safety, Financial management etc.

The system elements include

- organization structure,
- Roles , Responsibilities & accountability,
- Planning & Operations,
- Performance evaluations & improvements

Scope of Management system can include

- The whole organization
- Specific functions of an organization
- Specific sections of an organization
- One or more functions across a group of organization

**Environment Management system ( EMS) :** Part of a management system which is Used to manage Environmental aspects, fulfill compliance obligations and address risks & opportunities

**Environmental policy :** Intentions or directions of top management related to its environmental performances to fulfill its environmental responsibilities.

**Interested party :** Individuals or organizations that can affect , be affected or perceive itself to be affected by a decision or activity.

**Note:** Perceive itself to be affected means- the perception has been made known to the organization

Examples : Customers, communities, suppliers, regulators, NGO's, employees & investor



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#### 2.Terms Related to planning

**Environment** : Surroundings in which an organization operates including Air, water, land, Flora & fauna, Natural resources, humans & their interrelations.

**Environmental aspects:** Activities or Products or services that interacts or can interact with the environment.

**Note:**

An Environmental aspect can create an environmental impacts. A significant Environmental aspect that has or can have one or more significant environmental Impacts.

Significant environmental aspects are determined by applying or more criteria's

**Environmental Impacts** : Change to the environment either adverse or beneficial , wholly or partially resulting from an organizations Environmental aspects.

**Environmental Objectives** : Objectives set by organization consistent with the environmental policy. Objectives ( results to be achieved ) can be strategic , tactical or operational .

**Compliance obligations** : Legal requirements which the organsiation has to comply with and other requirements which the company chose to comply with.

**Note:** compliance obligations can arise from mandatory legal requirements such as applicable laws & regulations & Voluntary commitments such as industrial & organizational standards, contractual obligations and code of conducts with community groups & NGO's

**Risk : Effect of uncertainty.**

**Note:** Risk is a combination of consequences & likelihood of a specific event.

**Risks & Opportunities** : potential adverse effects ( Risks), Potential beneficial effects ( opportunities)

#### 3.Terms Related to support & operations

**Documented information** : Information's required to be controlled & maintained by the organization and the medium on which it is being maintained. It can refer to

- **Company's EMS & processes**
- **Information created for effective operations of the company 's Management system ( Documents)**
- **Evidence of results achieved ( records)**

**Life cycle:** Consecutive interlinked stages of products & services from raw material acquisition or generation from natural resources to Final disposal. The life cycle stages include;

- **Acquisition of Raw material**
- **Design**
- **Production**
- **Transportation**
- **Delivery**
- **Use**
- **End of life treatment**
- **Final disposal.**

#### 4.Terms Related to performance evaluations & Improvements

**Environmental performance:** Performance related to the management of Environmental aspects.

**Note :** EMS results can be measured against company's EMS policy, objectives and other Key performance indicators(KPA's)

**Need to contact QCS ([www.qcspl.com](http://www.qcspl.com) ) at [gcsert56@yahoo.com](mailto:gcsert56@yahoo.com) to get the full guide.**

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