

## **Biodiversity and Environmental Management Policy**

### **1. Introduction:**

JDW Sugar Mills Limited (Unit-1) is committed to preserving Biodiversity and promoting sustainable environmental management practices throughout its operations, both in mills and on registered sugarcane farms. We recognize the critical importance of maintaining ecological balance and protecting natural habitats in the areas where we operate.

### **2. Objective:**

The objective of this policy is to establish guidelines and practices for Biodiversity conservation and environmental management across all company operations including sugarcane farms. This policy aims to ensure compliance with national and international environmental laws and standards including those set by the United Nations Environment Program (UNEP) and the Convention on Biological Diversity (CBD).

### **3. Scope:**

- JDW Sugar Mills Limited (Unit-1) site, related services and overall operational activities.
- Registered Sugarcane Growers for preserving and promoting sustainable environmental management practices and entire supply area for maintaining Ecological balance and protecting natural habitats.

### **4. Terms and Definitions:**

#### **4.1 Biodiversity:**

The variety of life in the world or in a particular habitat or Ecosystem including the diversity within species, between the species and of Ecosystem.

#### **4.2 Environmental Management:**

Environmental management is the systematic approach to addressing environmental issues through planning, implementing, monitoring and improving practices that minimize negative impacts on the environment and promote sustainability.

#### **4.3 Ecosystem Services:**

Ecosystem services are the benefits that humans derive from natural Ecosystems including provisioning services like food and water, regulating services such as climate regulation and flood

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control supporting services like nutrient cycling, soil formation and cultural services such as recreational and spiritual benefits.

### **4.4 High Conservation Values (HCVs):**

High Conservation Values (HCVs) form a set of values of critical importance for humans and nature. The HCVs concept is widely recognized by businesses, civil society organizations and development agencies and HCVs are referred to by a range of international standard-setters, initiatives and platforms as well as by a number of government agencies.

HCVs fall into six categories, spanning from species, ecosystems and landscapes, over ecosystem services to key resources for local livelihood and culture. The globally applicable definitions:

- **HCV 1, Species diversity:** Concentrations of biological diversity including endemic species and rare, threatened or endangered species that are significant at global, regional or national levels.
- **HCV 2, Landscape-level Ecosystems and mosaics:** large landscape-level Ecosystems, Ecosystem mosaics and Intact Forest Landscapes (IFLs) that are significant at global, regional or national levels and that contain viable populations of the great majority of the naturally occurring species in natural patterns of distribution and abundance.
- **HCV 3, Ecosystems and habitats:** Rare, threatened or endangered Ecosystems, habitats.
- **HCV 4, Ecosystem services:** Basic Ecosystem services in critical situations including protection of water catchments and control of erosion of vulnerable soils and slopes.
- **HCV 5, Community needs:** Sites and resources fundamental for satisfying the basic necessities of local communities or indigenous peoples (for livelihoods, health, nutrition and water etc.) identified through engagement with these communities or indigenous peoples.
- **HCV 6, Cultural values:** Sites, resources, habitats and landscapes of global or national cultural, archaeological or historical significance and/or of critical cultural, Ecological, Economic or religious/sacred importance for the traditional cultures of local communities or indigenous peoples identified through engagement with these local communities or indigenous people.

## **5. Overview:**

### **5.1 Biodiversity Conservation**

We are committed to protect and enhance Biodiversity in and around our operational area:

- Conducting regular Biodiversity assessments

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- Implementing conservation measures for threatened species and habitat
- Avoiding or minimizing impacts on critical habitats
- Supporting local and regional conservation initiatives

### **5.2 Sustainable Land Use**

We practice sustainable land management to minimize our environmental footprint:

- Implementing soil conservation techniques
- Promoting balanced use of nutrients
- Use integrated pest management (IPM) services to minimize reliance on pesticides use
- Protecting and restoring natural water bodies and wetlands if present in supply area

### **5.3 Water Resource Management**

We are committed for efficient water use and protection of water Ecosystem:

- Implementing water efficient irrigation systems
- Treating and recycling wastewater
- Protecting local watersheds and aquatic Ecosystems

### **5.4 Climate Change Mitigation and Adaptation**

We recognize the impact of climate change on Biodiversity and Ecosystem:

- Implementing energy efficient practices and technologies
- Promoting carbon sequestration through reforestation and soil management
- Developing and promoting climate resilient agricultural practices through farm advisory services for entire supply area
- Supporting research on climate-adaptive sugarcane varieties

### **5.5 Waste Management and Pollution Prevention**

- Implementing a comprehensive waste management system
- Promoting recycling of agricultural waste
- Minimizing air and water pollution from our operations
- Proper disposal of hazardous materials.

### **5.6 Community Engagement and Education**

We will engage with local communities and stakeholders to promote Biodiversity conservation by:

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- Conducting awareness programs on Biodiversity and Eco management
- Supporting community led conservation initiatives
- Collaborating with local educational institutions on environmental projects
- Respecting and incorporating traditional Ecological knowledge.

### **5.7 Sustainable Supply Chain**

We extend our commitment to Biodiversity and Eco management throughout our supply chain:

- Encouraging suppliers to adopt sustainable practices
- Sourcing materials from certified sustainable sources where possible
- Supporting smallholder farmers in adopting sustainable practices.

## **6. Roles and Responsibilities:**

- The Bonsucro Compliance Managers (BCM) and all team members ensures the communication and implementation of the policy.
- The BCM drives the implementation of the policy, provides specific advice on biodiversity and ecomanagement issues and ensures that these issues are identified and addressed. Audits, reviews, measures and reports on environmental performance are conducted, documented and implemented.
- HODs are responsible for ensuring that this policy and related standards are communicated, implemented and adhered to all relevant employees, contractors, growers, suppliers and stakeholders.
- All employees, contractors, growers, suppliers and stakeholders comply with the policy and take responsibility for ensuring that all initiatives are implemented in line with the policy.

## **7. Policy Review and Updates:**

This policy will be reviewed every year or earlier if required to ensure its continued relevance and effectiveness.