

“From Farm to Global Markets – Securely”

Accredited Warehouses and Electronic Warehousing Systems

THEIR CRITICAL ROLE IN BOOSTING EXPORTS

- Safeguard quality and quantity
- Enhance traceability
- streamline storage operations
- Boosting export growth through compliance with global standards.

Start Slide





EWR

Introduction

"On a Mission for the Prosperity of Farmers"

Empowering Agricultural Communities through Financial Capability

NCMCL is Pakistan's pioneering Collateral Management Company, licensed by the SECP, dedicated to advancing farmers' financial inclusion through Electronic Warehouse Receipts (EWR). Our services include Warehouse Accreditation, Agricultural Commodity & Storage Standards implementation, Quality Assurance, maintenance of the EWR Repository System, and Stock Monitoring.

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Key Features of the EWR Regime

Key features of the EWR regime include secure electronic storage records, standardized commodity grading, tradability, and access to finance for farmers

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1. Accreditation

Warehouses must meet stringent standards to receive official accreditation.

2. Electronic Receipts

EWRs provide digital documentation of stored goods, enabling traceability.



3. Government Oversight

Regulatory bodies monitor accredited warehouses to ensure compliance.

4. Collateral Management

EWRs can be used as collateral to access financing for export activities.

Operational Processes of Accredited Warehouses

Intake

Commodities are inspected, graded, and logged into the EWR system upon arrival.



Storage

Strict temperature, humidity, and pest control measures are maintained.

Withdrawal

Commodity is re-inspected after clearing dues, and EWR data is updated.



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Benefits of Using Accredited Warehouses for Exporters

- Instant Inventory
- Quality Assurance
- Supply Chain Visibility
- Access to Storage & Financing
- Availability of Logistic

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Challenges in Exporting Agricultural Commodities

1. Infestation

Pests like insects, rodents, and birds can contaminate stored crops, reducing quality and leading to rejection at ports.

2. Aflatoxin

Toxic mold growth can make crops unfit for human consumption and result in failed inspections.

3. Traceability

Lack of visibility into storage conditions and supply chain makes it difficult to ensure food safety and quality standards.

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Aflatoxin – Understanding

Aflatoxin contamination primarily originates from improperly stored agricultural products, poor harvesting practices, and environmental factors such as humidity and temperature, affecting food safety and export potential.

- **Aflatoxin is a toxic secondary metabolite produced by certain strains of fungi.**
- **Classified into two main groups Aflatoxin B1, B2 and G1 G2**
- **Measured in PPB (parts per billion)**
- **Grade A ≤ 20 ppb, Grade B : ≤ 40 ppb, Grade C: ≤ 60 ppb.**

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Infestation:

- **Major Insects:** Khapra Beetle, Rice Weevil, Rice Moth, Indian Meal Moth, Lesser Grain Borer, Red Flour Beetle, Psocids
- **Critical Time:** June – development phase,
August – Increase in population
September – Peak Infestation
- **Mitigation and Control:**
 1. Cultural Control -Monitoring –Early Detection
 2. Pheromone Traps
 3. Fumigation
 4. Integrated Pest Management (IPM)

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Role of Warehousing in Quality Preservation

Protects Against Pests & Mycotoxins

Prevents infestation and contamination through safe, controlled storage practices.

Maintains Ideal Storage Conditions

Regulates moisture and temperature to preserve grain quality and safety.

Ensures Quality & Compliance

Facilitates grading, standardization, and regular audits to meet regulations.

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Warehouse Operator

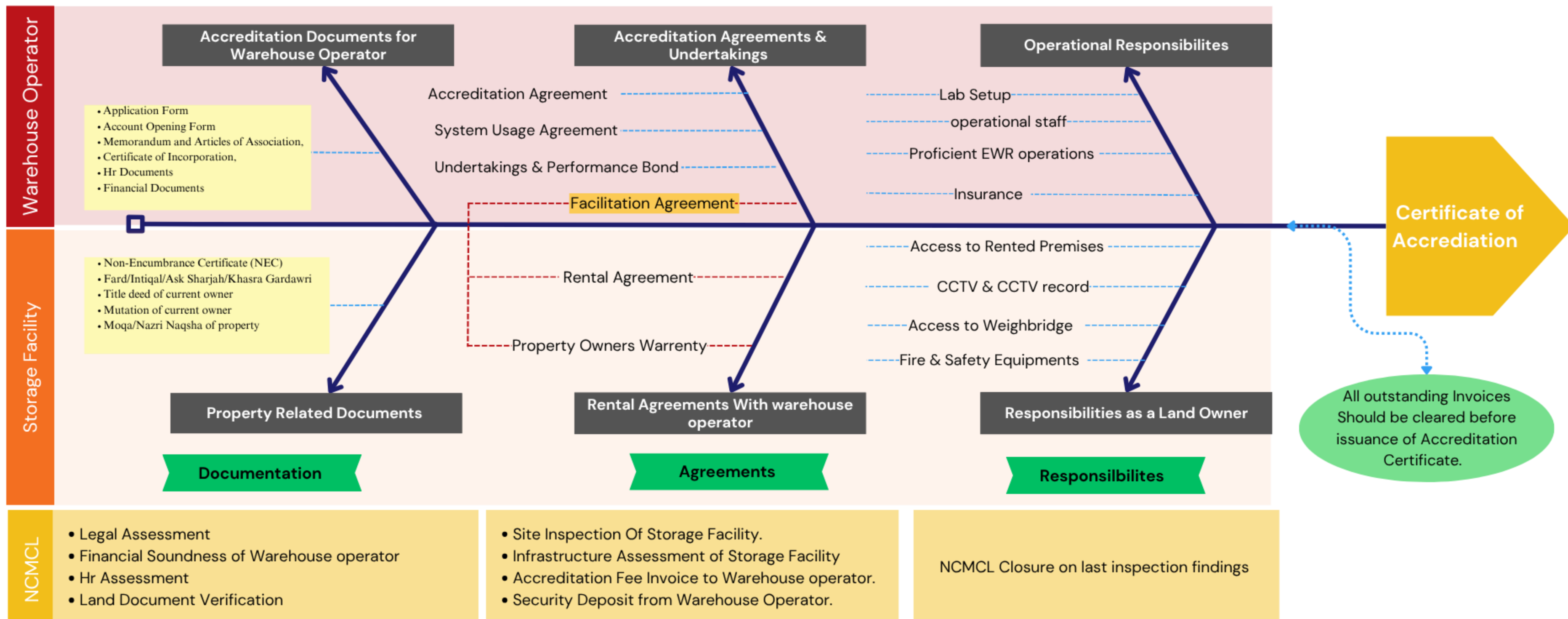


CMC/ Repository



Storage Facility

Accreditation Process Flow





We at Naymat
“Empowering Farmers,
Securing Harvest and
Supporting Exporter to
compete globally
Thank you.

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