Department of Agriculture & Cooperation
Ministry of Agriculture
Government of India

2013

NeGP
AGRICULTURE
EMPOWERING FARMERS

Information on Marketing Infrastructure for Agriculture, Horticulture, Floriculture, Livestock and Fisheries (Service 7)

Software Requirement Specifications

NIC

Agriculture Infomatics Division
National Information Centre
Dept. of Information Technology
Ministry of Communications & Information Technology
Government of India

SAHARA next
IT | BPO | Web Media | Mobility

Sahara India Center
2, Kapoorthala Complex, Aliganj
Lucknow - 226024 . India

Amendment Log

Version Number	Date	Change Number	Brief Description	Sections change
0.01 Draft	15/04/2013	-	Draft	All.

Software Requirement Specification SRS

Information on Marketing Infrastructure for Agriculture, Horticulture, Floriculture, Livestock and Fisheries culture, Horticulture, Floriculture

1. INTRODUCTION

1.1 Purpose

The purpose of this document is to unambiguously specify the software requirements for a web based application system providing disseminated information on marketing infrastructure to be accessible through State Agricultural Portal (SAP) from now on, based on the requirements received from Directorate of Marketing Inspection. The requirements stated in this SRS document should be read in conjunction with enterprise-wide requirements to be commonly implemented across all Central Agricultural Portal (CAP) applications. The achievable goals from this document are:

1. To detail the As IS and TO BE process.

2. Develop the document that becomes an input for the design document.

3. Develop reference document for designer, developers and testers on

    a. Marketing Infrastructure and Post harvest facilities available at the Regulated market yards (Terminal Markets, Rural Mandis, Other Markets)
    b. Storage Infrastructure like Godowns, Rural Godowns, Cold Storages and Warehouses of private, public and Cooperative Sector
    c. Information needs of the farmers on credit linkages.

1.1.1 Intended Audience

The Intended Audience for this project can be broadly classified under four main categories, these are:

1. **Farmers**

    a. Individual farmers

    b. Farmer groups

    c. Farmer cooperatives

2. **Central Government**

    a. Directorate of Marketing & Inspection

    b. Warehousing Development and Regulatory Authority (WDRA)

    c. National Horticulture Board (NHB)

    d. Central Warehousing Corporations (CWC

    e. Ministry of Food Processing Industries

    f. Food Corporation of India (FCI)

    g. National Bank for Agriculture and Rural Development (NABARD)

    h. National Cooperative Development Corporation (NCDC)

    i. Central Institute of Post-Harvest Technology, Ludhiana

    j. Agricultural & Processed Food Products Export Development Authority (APEDA)

    k. Marine Products Export Development Authority (MPEDA)

    l. National Institute of Agricultural Marketing (NIAM)

    m. Department of Agriculture & Corporation (DAC)

3. **State Government**

    a. State Agriculture Marketing Board

    b. State Transport Authority

    c. Regional Transport Unions

    d. State APMCs/RPMCs

    e. State Horticulture Departments

  f. State Level Banking Committees

  g. District Level Banking Committees

 4. **Private Sector**

  a. Importers and exporters of agriculture produce

  b. Traders, Buyers and Commodity Exchanges

  c. Self-Health Groups & Apex Bodies

  d. Agri-Business firms/Consultants

1.2 Objective

1. Providing timely information on marketing & storage infrastructure, post-harvest facilities at regulated markets state-wise, district-wise, Marketwise.
2. Providing Multiple Delivery Channels (MDCs) for access to information to farmers and all the stakeholders.
3. Reducing time lag between generation and dissemination of information.
4. Increasing effectiveness of government service delivery.
5. Design of a Web based application to collect information for Marketing ad Storage infrastructure & post-harvest facilities at regulated markets in prescribed format from APMCs with the help of existing AGMARKNET project Network.
6. Share the existing information available in the form of market profiles under AGMARKNET project.

1.3 Scope

The scope of this document is to identify the software requirement specifications relating to e-enablement of one of the prioritized services i.e. Marketing Infrastructure, their delivery through Citizen Service Center, and the internet at Central Ministry (Department of Agriculture & Cooperation, GOI), State Agriculture Department and Agencies, District and Block level Agriculture offices, . The project would focus on enabling electronic delivery of service, and does not include internal automation of agriculture department / agencies and marketing boards.

1. This document would cover the software requirements specifications for the Service
   a. Information on Marketing Infrastructure (which is called as Marketing Infrastructure Information System, in this document)
2. The service is further categorized under following service components;
   b. Marketing Infrastructure Information System
      The proposed service aims at providing
      - Mandi Profile creation
        ➢ Information on Regulated/Unregulated Mandi
        ➢ Information on Regulated Marketing Committees
        ➢ Information on Post-Harvest facilities available at the market yards
        ➢ Information on Storage Infrastructure
        ➢ Information on Other facilities (Availability of Transport, Rest rooms, Procurement and distribution of commodities etc.)
        ➢ Information on credit linkages
      - Expert advice on any specific issues related to marketing and storage infrastructure, post-harvest facilities which would be answered by appropriate domain experts
      - Mechanism for grievance management with regards to a specific activity / process within the state and central government framework.
      - Further the service components are being mapped with the applications identified on the basis of content management, transactions and workflow as specified below:

Service Component to Application Mapping

Content Based Components	
Sr. No.	**Service Component**	**Application**
1.	Mandi Profile	Knowledge Management Application
2.	Central/State Developmental Schemes	Knowledge Management Application
3.	Credit Linkages	Knowledge Management Application

Content Based Components	
Sr. No.	**Service Component**	**Application**
1.	Grievance Management	Grievance Management Application

1.4 Definitions, acronyms, and abbreviations

APEDA	Agricultural & Processed Food Products Export Development Authority
CA	Commission Agent
CWC	Central Warehousing Corporations
DMI	Directorate of Marketing Inspection
DAC	Department of Agriculture & Corporation
FCI	Food Corporation of India
GOI	Government of India
HQ	Head Quarter
HTM	Horticulture Technology Mission
ICT	Information and Communications Technology
IT	Information Technology
MIS	Management Information System
MIIS	Marketing Infrastructure Information System
MPEDA	Marine Products Export Development Authority
NBARD	National Bank for Agriculture and Rural Development
NCDC	National Cooperative Development Corporation
NHB	National Horticulture Board
NIAM	National Institute of Agricultural Marketing
NIC	National Informatics Centre
SAP	State Agriculture Portal
SME	Subject Matter Expert
SMS	Subject Matter Specialist
SRS	Software Requirements Specifications
WDRA	Warehousing Development and Regulatory Authority

1.5 References

Common References

- Presentation from NIC on Infrastructure for Agriculture, Horticulture, Floriculture, Livestock and Fisheries

Web References

- http://www.mpmandiboard.com/
- http://agmarknet.nic.in/
- http://amigs.dacnet.nic.in/login.aspx?ReturnUrl=%2f
- http://dacnet.nic.in/
- http://dacnet.nic.in/AMMP/AMMP.htm
- http://dacnet.nic.in/profile.asp
- http://www.mpkrishi.org/EngDocs/AgriLeft/alliedAgencies.aspx
- http://www.mapit.gov.in/mandi1.asp
- http://nhm.nic.in/JIT_Reports/JIT-MadhyaPradesh-Septembet-2012.pdf
- http://mpnricentre.nic.in/invest-scenario_1.htm
- http://mofpi.nic.in/images/File/FICCI%20Data/Indian%20Food%20Laws/Agricultural%20Produce%20Market%20Committees%20%28APMC%20Act%29.pdf
- http://indiaat75.in/document/MP_Vision_Document.pdf
- http://www.ccsniam.gov.in/report/KERALA%20%20RESEARCH%20REPORT.pdf
- http://www.mpwarehousing.com/profile.htm
- http://india.gov.in/official-website-madhya-pradesh-warehousing-and-logistics-corporation
- http://www.mpkrishi.org/EngDocs/AgriLeft/agriMarket.aspx
- http://www.indisonagro.co.in/company-profile.html
- https://www.mponline.gov.in/portal/index.aspx?langid=en-US

- http://mpeprocurement.gov.in/Home/index.asp
- http://www.mpsedc.com/Final%20RFP%20of%20e-procurment%20for%20GoMP.pdf
- http://agmarknet.nic.in/agm_std1.htm
- http://agmarknet.nic.in/profile/profile_online/combo3.asp
- http://jsamb.nic.in/Model%20Act.pdf
- http://agmarknet.nic.in/amrscheme/expcommrepmark.htm#AGRICULTURAL%20MARKETING%20INFRASTRUCTURE
- http://mpmandiboard.com/mandi_actE/mandiacte_content.htm
- http://www.mpkrishi.org/
- http://www.mp.gov.in/directory/siteMap.asp
- http://www.mpkrishi.org/EngDocs/AgriLeft/agriCredit.aspx#TCredit
- http://egov.eletsonline.com/2005/05/ekvi-e-krishi-vipanan/
- http://www.nisg.org/knowledgecenter_docs/B20020001.pdf
- http://agriexchange.apeda.gov.in/Market%20Profile/Market_Inteligence/Apendix_D.pdf
- http://www.agriculturesnetwork.org/magazines/india/3-post-harvest-management/indigenous-practices-of-post-harvest-storage-among/at_download/article_pdf
- http://nhm.nic.in/actionplan/actionplan_mp.pdf

1.6   Overview

1.7   Problems / Issues addressed by Agriculture MMP

1. Lack of ownership by Agricultural Produce Marketing Committees since they are autonomous bodies and DMI has no control over them.
2. Infrastructure problems like no telephone lines, erratic power supply and poor connectivity at Market level
3. Roles & responsibilities are not defined
4. Lack of ownership of the Content
5. There is no centralized database giving details of location and capacity of storage structures and its associated Road Network, Rail Network, Seaport Network and Airport Network.
6. At present the information on godowns owned by Central warehousing Corporation and State Warehousing Corporations is disseminated through their websites. The storage facilities of CWC/ SWC's is by and large utilised by FCI, traders and for stocking fertilizers. These principal agencies have, therefore tended to bypass the requirement of farming community in the rural areas.
7. Information on Cold Storages (Region wise) and Rural godowns (Region wise) is in public domain on Directorate of Marketing & Inspection website (http://agmarknet.nic.in) in the form of static pages. Information is not up to date and complete.
8. Information regarding cold storages developed through NHB and NHM Schemes is not in public domain on their respective website
9. No local language publishing of information on storage infrastructure.
10. Un-availability of information on storage infrastructure (Region, State, District-wise)
    - Location details
    - Contact details
    - Storage Capacities
    - Classification (Godown /Rural Godown /Cold Storage)
    - Type of ownership (Private/Govt./Public/Co-operative)
    - Storable Commodities
    - Charges Details
    - Owners Details
11. Web based system need to be established with proposed service to facilitate grievance management. **Rural India**, **Rural-Urban (Rurban) India** and **Urban India** require producing green and dry fodder, in a scientific manner, for their Livestock and storing in appropriate "Storage structures" for sustainable livelihoods of animal farmers.

1.7.1   Causes and Effects of the Problems / issues

This section provides analysis of the identified problem areas to articulate their root causes and subsequent effects on the service delivery in the Indian agriculture sector related to Marketing and Storage infrastructure.

Table-III: Root Causes and Effects of Key Problem Areas

Problem Area	Root Causes	Effects
Manual Processes	No IT enablement of Processes	• Time Consuming Processes • Improper Record Management • Improper Content management • Non-existence of need based dissemination of information. • Scattered Information not reaching the farmers • Grievances / Views of the beneficiaries not collected.
Information Dissemination	Lack of standardized formats at the state level	▪ Differentiated quality of content across states
	Lack of coordination of multiple organizations involved in storage by the state government / District administration.	▪ Farmers ignorant of latest development in availability of storage facilities.
	Lack of adequate dissemination channels	▪ Farmers not getting right price for their produce

1.7.2   Proposed Solutions Provided by the MMP

Keeping the limitations in mind the proposed technology solution strategically places key ICT interventions to be used at the central, state levels separately and together, and aligns them with the service delivery channels through appropriate networking and connectivity.

In addition, some of the existing ICT interventions that can be used for the delivery of the identified services have also been integrated in the proposed scenario.

The proposed solutions under the identified service components are specified bellow:

Service Components	Proposed Solutions
Information on - Package of Practices	Online - Information updated every season - Changes uploaded - Available instantaneously
Information on - Mandi Profile - Marketing & Storage Infrastructure - Post-Harvest facilities - Transport facilities - Other facilities available in the market	Online - Information updated every season - Changes uploaded - Available instantaneously
- Online video - Front line demonstration	Online - Available instantaneously - Changes uploaded - To follow prescribed format

- Grievance Management	Status Tracking Online - Immediate Acknowledgement - Immediate Reference No. - Status change Grievance Redressal Online - Initial response time - Redressal of grievance Availability of forms Online Availability of service Online - 24 x 7 - 99.9% uptime

1.7.3   Structure of this document

This document provides a detailed overview and purpose of the requirement specification of service 7 components. This document also discusses on AS –IS and TO-BE business processes.

This document provides the Overall Description about project that includes product prospective and context, product functions, user characteristics, general and design constraints, assumptions & dependencies and acceptance criteria.

This document describes the Specific Requirements that include External Interface Requirements, Software Product Features, Performance Requirements, Design Constraints, Software System Attributes, Logical Database Requirements and Other Requirements.

External Interface Requirements of the software include user interfaces, hardware and communication interfaces, and interfaces with other software.

Software Product Features include all the functions that are required to be performed by the software and further for each of the functions the input required, processing involved, outputs and validation checks, if any. The functional requirements have been described in the form of use cases that depict the interaction between the actors and the system. Each use case includes preconditions for execution of the use case, triggering conditions that initiate the use case, post-conditions of the system after the use case is executed, normal and alternate flows, business rules, relationships with other use-cases, assumptions and special requirements, if any.

Design Constraints include standards, hardware limitations, etc.

Software system attributes include features like user-friendliness, Reliability, maintainability, security etc.

Logical Database Requirements include any information that is to be placed into a database, including

- types of information used by various functions

- frequency of use

- accessing capabilities

- data entities and their relationships

- integrity constraints

- data retention requirements

Data Requirements include a description of various entities in the system and their attributes.

2. OVERALL DESCRIPTION

2.1 Product Perspective

MIIS is one of the 12 Core software applications envisaged as part of Phase II of the National e-Government Plan under Mission Mode project (MMP) initiated by the Ministry of Agriculture which aims service orientation to farmers no matter if the services originate from the central or the state government, they would be provided through a single delivery interface.

MIIS will be a generic and Open Source software that captures the information and automation of Mandi Profile management processes for the manufacturing and marketing of agriculture inputs and generates the reports in the pre defines formats. The framework product would be prepared under the sponsorship of Ministry of Agriculture, Government of India. The software would provide a holistic view of the Processes involved in delivery of inputs followed by different Agencies (both Public and Private) with respect to the Marketing and Storage Infrastructure, post-harvest facilities, for a better decision making and information delivery.

2.2 Product Functions

MIIS will capture the details of the sub services specified in Chapter 1 under Scope section for the specified service components in the country.

2.2.1 Marketing Infrastructure Information system

2.3 (AS-IS) Business Scenarios

1. State and District market bodies are having following business related information being managed manually:
    a. Marketing Infrastructure Details (like contact details, administrative details, transportation facilities, fee details, other facilities available in the mandis, information about regulated and unregulated markets, rural and urban mandi details)
    b. Storage Infrastructure Details (storage godowns available from various sources, warehouses of government, semi government and private sector, capacity, cold storages etc.)
    c. Direct Marketing of Agriculture commodities to Rural , Terminal, Regulated and Other markets
    d. Post-harvest facilities available at Markets
2. Grievance Redressal

Description
1. Information collected from different Mandis is mentioned below:
    Solan Mandi:
a. Market Infrastructure:
    - Contact Details, Administrative information, Connectivity Information, Arrival & Dispatch Information, Market Season of Commodities, Transport Information, Storage Information, Other Facility/ services and fees related information (**Annexure 1)**
    - Parameters for mandi's profile i.e. Basic Details of Mandi & Infrastructure Detail of Mandi. Basic details are same for Principal Market, Sub Market Yard & Terminal Market. (**Annexure 1)**
    - Information of Infrastructure facilities available at mandi (**Annexure 2)**
    - Information of Infrastructure facilities available at sub market yard under solan mandi. **Annexure 2**
    - Information of Infrastructure facilities available at terminal market under solan mandi. **Annexure 2**
    - Regulated and Wholesale markets are same for HP.
    - Details of Arties/ Agents. **Annexure 3 & 4**
    - List of Principal Market Yards, Sub yard, & Terminal market in Himachal Pradesh. **Annexure 5**
b. Transportation Details:
    - Consolidated information of transportation is not available with marketing board.
    - Transport of carrier goods is controlled by the Union in HP.
    - Documents related to role of district administration in providing transportation facilities through Truck Unions and Estimation of Trucks required during Apple Season as provided by the district administration through DIO Shimla. Annexure 18
    - Vehicles details are received from the two Union in solan i.e. Vehicle Number and capacity of vehicle. Annexure 19
c. Storage Infrastructure**:**
    - Information of Cold Storage and Controlled Atmospheric Storage provided by Horticulture department. Annexure 6

- Process of Disseminating Storage Information: Agriculture Officers are advertising the storage information to the farmers during the season and also Private agencies are advertising the storage related information from home to home.
    d. Schemes
        - There is no funding of State Govt. for any scheme of Agricultural Marketing, however schemes of HPSAMB are run with own funds of APMC/ Board or sometimes with Central Assistance (Annexure 16)
        - All the schemes are offered by the Central Government to the farmers and schemes' information are available at AGMARKNET and HTM (Horticulture Technology Mission) web sites.
    e. Post- Harvest Facilities
        - Provided note on post-harvest facilities in HP is mentioned in **Annexure 17**

Mandi Profile:

Mandi profile information maintained in the Agmarknet.nic.in website. Following information are maintained:
General Information
1. City
2. Full Postal Address
3. Email
4. Telephone No. with STD Code
5. Year of Establishment
6. Population Served
7. Geographical area served by Market (No. of village etc.

Administration Information:
1. Regulated/ Unregulated
2. Year of Regulation
3. Name of the Market Legislation
4. Whether Elected/Nominated/Superseded APMC
5. Chairman/Administrator Details
    a. Name of Chairman/Administrator
    b. Address of Chairman/Administrator
    c. Telephone No. of Chairman/Administrator
6. Secretary Details:
    a. Name of Secretary
    b. Address of Secretary
    c. Telephone No. of Secretary
7. Officer-in-Charge of Market Information Details:
    a. Name of Officer-in-Charge of Market Information
    b. Address of Officer-in-Charge of Market Information
    c. Telephone No. of Officer-in-Charge of Market Information
8. If Unregulated, Name of Owner and Management
9. Staff Details
    a. Supervisory
        i. No. of Permanent
        ii. No. of Temporary
    b. Administrative
        i. No. of Permanent
        ii. No. of Temporary

Road/Rail Connectivity Information:
1. Name of the nearest railway station
2. Distance of the railway station from the market(in Kms)
3. Name of the Nearest National /State Highway

Market Area Information:
1. Notified area of Market Committee

2. Subyard (If any) and It's exact location
3. Farthest place in the Hinterland
4. Nearest place in the Hinterland
5. Commodity Wise Processing Units in the Market area
6. Number of Cold Storages available
7. Capacity of Cold Storages available
8. Number of Commodities notified under regulation
9. Average daily dispatches to outside markets during the season
10. Average daily dispatches to outside markets during the peak period
11. Names of traditional markets(important) to which produce is sent

Market Functionaries Information:
1. No. of Licensed Wholesale and Other Functionaries of all categories including Cooperatives:
   a. Traders
   b. Hammal
   c. Tulwati
   d. Commision Agent
   e. Broker
   f. Process
   g. Warehouse
2. Time at which sale begins in the market
3. Peak trading hours
4. Time at which sale ends in the market
5. Whether produce is cleaned/graded before sale
6. Accepted grade in the market
7. Farmer level grading in practice
8. Are there quality disputes?
9. How are quality disputes settled?

Transactional Methods Information:
1. System of sale(if different for commodities please clarify)
2. System of weighment
3. System of payment
4. Degree of transparency on method of Sale, Weighment and Payment
5. Transactional Disputes and Redressal Mechanism

Storage Information:
1. Storage facilities available in the market with trade as well as APMC
2. Availability of Ripening Chambers if available
   a. Number
   b. Capacity

Facilities and Services Information:
1. Information Notice Board/Electric Display Board
2. Public Address System
3. Are the prices displayed on the Notice Board
4. Are the producers able to read the information displayed on The Notice Board
5. Availability Of:
   a. Canteen
   b. Restaurant
   c. Toilets
   d. Internal Roads
   e. Parking
   f. Fencing
   g. Post Office

      h.   Bank
      i.   Input/Sundry Shops
      j.   Fire Extinguishers
      k.   Rest house for farmers
      l.   Drinking Water
      m. Electricity
      n.   Auction Platform
      o.   Grading and Analysing Laboratory
      p.   Mechanical Graders
      q.   Sieves
      r.   Garbage Disposal System
      s.   Sweeping Facilities
      t.   Information Unit
      u.   Extension Unit
      v.   Audio Visual side
      w. Market office building

6. Name of Welfare scheme for producers

Market Charges Information:
1. Commission
2. Market Fee
3. Weighmen
4. Brokerage
5. Charity
6. Trade Allowance
7. Octroi
8. Sales Tax
9. Other Taxes/Levies
10. Other Charges

Financial Position Information:
1. Annual Income
2. Annual Expenditure
3. Surplus/Deficit
4. Total Reserves with APMC on 31st March
5. Total Liabilities (loan etc.)with APMC on 31st March

Assam

Agmarknet
Mandi Profile

Information may not be available for certain fields

Close

General Information		
(i) City		TINSUKIA
(ii) Full Postal Address		College Road, Tinsukia, PIN-786125
(iii) Email		tdrmc@sify.com
(iv) Telephone No. with STD Code		0374 2336142
(v) Year of establishment		1997
(vi) Population Served		1400
(vii) Geographical area served by Market (No. of Villages etc.)		800

Administration		
(i) Regulated/Unregulated		Regulated
(ii) Year of Regulation		1997
(iii) Name of the Market Legislation		Assam Agricultural Produce Market Act, 1972
(iv) Whether Elected/Nominated/Superseded APMC		Elected
(v) Name of Chairman/Administrator		Shri Bhupen Arandhara
Address of Chairman/Administrator		College Road, Tinsukia, PIN-786125
Telephone No. of Chairman/Administrator		0374 2336142
(vi) Name of Secretary		Shri Jiten Saikia
Address of Secretary		College Road, Tinsukia, PIN-786125
Telephone No. of Secretary		0374 2336142
(vii) Name of Officer-in-Charge of Market Information		Shri Jiten Saikia
Address of Officer-in-Charge of Market Information		College Road, Tinsukia, PIN-786125
Telephone No. of Officer-in-Charge of Market Information		0374 2336142
(viii) If Unregulated, Name of Owner and Management		Tinsukia District Regulated Market Committee
(ix) Details of Staff:	Supervisory	Administrative
a) Permanent	9	13
b) Temporary	0	12

b) Temporary	0	12
(x) Market holidays		SUNDAY
(xi) Market hours		10 AM - 5 PM

Rail/Road Connectivity		
(i) Name of the nearest railway station		Tinsukia
(ii) Distance of the railway station from the market(in Kms)		2
(iii) Name of the Nearest National /State Highway		NH 37

Market Area		
(i) Notified area of Market Committee		Entire Tinsukia District
(ii) Subyard (If any) and It's exact location		6
(iii) Farthest place in the Hinterland		
(iv) Nearest place in the Hinterland		
(v) Commodity Wise Processing Units in the Market area		Rice-20 nos Flour Mill-5 nos Oil Mill-1 nos
(vi) Number of Cold Storages available		2
(vii) Capacity of Cold Storages available		7000m.t. and 700m.t.
(viii) Number of Commodities notified under regulation		93
(viiii) Average daily dispatches to outside markets during the season		60m.t.
(x) Average daily dispatches to outside markets during the peak period		120m.t.
(xi) Names of traditional markets(important) to which produce is sent		Tinsukia Kakapathar Jagun Bordumsa Chapakhuwa

Arrivals / Dispatches			
(i)	Name of 10 commodities important in terms of arrivals:	Name of Commodity	Annual Production
		1. M. Seed	4000
		2. Orange	400
		3. Pulses	1100
		4. Cane	1200
		5. Cattle	400
		6. Maize	4000
		7. Paddy	30
		8. Ginger	9000
		9. Rice	400
		10. Betel Nut	4000

(ii)	Marketing season commodity wise for 10 important commodities:	Name of Commodity	Season(From-To)	Peak Season (From-To)
		1.M. Seed	4 Month	Jan - April
		2.Orange	3 Months	Nov - Jan
		3.Pulses	Whole year	Whole year
		4.Cane	Nov - March	Jan - March
		5.Cattle	Whole year	Jan - April
		6.Maize	3 Months	Jan - March
		7.Paddy	Whole year	Oct - Dec
		8.Ginger	5 Months	Nov - March
		9.Rice	Whole year	Nov - Jan
		10.Betel Nut	4 Months	Jan - March

(iii)	Average daily arrivals in Metric Tonnes throughout season of all commodities:	Name Of Commodity	Average Daily Arrivals
		1.M. Seed	5.48
		2.Orange	0.54
		3.Pulses	2.46
		4.Cane	2.46
		5.Cattle	0.98
		6.Maize	6.84
		7.Paddy	0.02
		8.Ginger	21.91
		9.Rice	0.54
		10.Betel Nut	8.21

(iv)	Maximum daily arrivals in the market:	Name of Commodity	Maximum Daily Arrivals In The Market
		1.M. Seed	4
		2.Orange	0
		3.Pulses	2
		4.Cane	1
		5.Cattle	1
		6.Maize	4
		7.Paddy	0
		8.Ginger	16
		9.Rice	0
		10.Betel Nut	5

(v)	Minimum daily arrivals in the		Minimum Daily Arrivals In The
		1.M. Seed	1.98
		2.Orange	0.19
		3.Pulses	1.1
		4.Cane	1.01
		5.Cattle	0.46
		6.Maize	2.59
		7.Paddy	0.01
		8.Ginger	5.66
		9.Rice	0.19
		10.Betel Nut	2.96

vi)	Unit of price quotation:	Name of Commodity	Unit Of Price Quotation
		1.M. Seed	12/-
		2.Orange	1/-
		3.Pulses	15/-
		4.Cane	120/-
		5.Cattle	1500
		6.Maize	4/-
		7.Paddy	5/-
		8.Ginger	10/-
		9.Rice	10/-
		10.Betel Nut	500/-

vii)	Standard filling of pack size:	Name of Commodity	Standard Filling Of Pack Size
		1.M. Seed	100
		2.Orange	100
		3.Pulses	50
		4.Cane	Per Cap
		5.Cattle	1 no
		6.Maize	100
		7.Paddy	80
		8.Ginger	80
		9.Rice	50
		10.Betel Nut	80

Name of Commodity	Total Annual Arrivals		
	2002-2003	2003-2004	2004-2005
M. Seed	4050	4020	4030

Orange	425	410	415
Pulses	1150	1120	1125
Cane	1220	1205	1210
Cattle	440	430	435
Maize	4025	4010	4015
Paddy	35	32	33
Ginger	9050	9020	9030
Rice	410	405	408
Betel Nut	4080	4030	4040

	Market Functionaries				
(i)	No. of Licensed Wholesale and Other Functionaries of all categories including Cooperatives:	Name	Number	License Fee	Number Of Years
		Processing Unit	15	10/-	1
		Trader	162	10/-	1
		Commission Agent	7	10/-	1
		Faria	263	10/-	1

(ii)	Time at which sale begins in the market	10 AM
(iii)	Peak trading hours	12 HOURS
(iv)	Time at which sale ends in the market	5 PM
(v)	Whether produce is cleaned/graded before sale	Yes
(vi)	Accepted grade in the market	
(vii)	Farmer level grading in practice	No
(viii)	Are there quality disputes?	No
(ix)	How are quality disputes settled?	Mutual Negotiation

	Transactional Methods	
(i)	System of sale(if different for commodities please clarify)	Mutual Negotiation
(ii)	System of weighment	Metric System
(iii)	System of payment	By Cash
(iv)	Degree of transparency on method of Sale,Weighment and Payment	90%
(v)	Transactional Disputes and Redressal Mechanism	Mutual

	Transportation	
(i)	Modes of transport generally adopted for the market	Hard Cart, Three Wheeler, Truck
(ii)	Modes of transport for despatches to various stations	Same as Above
(iii)	Modal Mix% Mode Wise	

	Storage		
(i)	Storage facilities available in the market with trade as well as APMC	Yes	
(ii)	Availability of Ripening Chambers if available	Number	Capacity
	0		

	Facilities and Services	
(i)	Information Notice Board/Electric Display Board	Yes
(ii)	Public Address System	
(iii)	Are the prices displayed on the Notice Board	Yes
(iv)	Are the producers able to read the information displayed on The Notice Board	Yes
(v)	Availability Of:	
-	Canteen	Yes
-	Restaurant	Yes
-	Toilets	Yes
-	Internal Roads	Yes
-	Parking	Yes
-	Fencing	No
-	Post Office	Yes
-	Bank	Yes
-	Input/Sundry Shops	Yes
-	Fire Extinguishers	No
-	Rest house for farmers	No
-	Drinking Water	Yes
-	Electricity	Yes
-	Auction Platform	Yes
-	Grading and Analysing Laboratory	No
-	Mechanical Graders	No
-	Sieves	No
-	Garbage Disposal System	No
-	Sweeping Facilities	Yes
-	Information Unit	No

-	Auction Platform	Yes
-	Grading and Analysing Laboratory	No
-	Mechanical Graders	No
-	Sieves	No
-	Garbage Disposal System	No
-	Sweeping Facilities	Yes
-	Information Unit	No
-	Extension Unit	No
-	Audio Visual side	No
-	Market office building	Yes
(vi)	Name of Welfare scheme for producers:	Transportation production subsidy carring kinds of various frams welfare scheme

Market Charges		
-	Commission	free
-	Market Fee	1%
-	Weighment	free
-	Brokerage	
-	Charity	free
-	Trade Allowance	free
-	Octroi	free
-	Sales Tax	as per Govt. rule
-	Other Taxes/Levies	As per Govt rule
-	Other Charges	no

Financial Position	
Annual Income	14862239
Annual Expenditure	14862239
Surplus/Deficit	14862239
Total Reserves with APMC on 31st March	0
Total Liabilities(loan etc.)with APMC on 31st March	0

H.P

Agmarknet
Mandi Profile

Information may not be available for certain fields

Close

General Information	
(i)City	SOLAN
(ii)Full Postal Address	Market Committee Solan, Distt. Solan. H.P.
(iii)Email	awmsol-hp@nic.in
(iv)Telephone No. with STD Code	01792231107
(v)Year of establishment	1975
(vi)Population Served	500557
(vii)Geographical area served by Market (No. of Villages etc.)	2551

Administration	
(i)Regulated/Unregulated	Regulated
(ii)Year of Regulation	1975
(iii)Name of the Market Legislation	HP AGRIL and HORTICULTURAL PRODUCE MARKETING (DEV.and REGU.) ACT, 2005
(iv)Whether Elected/Nominated/Superseded APMC	Nominated
(v)Name of Chairman/Administrator	SH. MOHAN SINGH THAKUR
Address of Chairman/Administrator	BYE PASS KATHER, POST OFFICE -CHAMBA GHAT, DISTRICT SOLAN, HIMACHAL PRADESH PIN 173213
Telephone No. of Chairman/Administrator	01792 230859
(vi)Name of Secretary	SH. PURSHOTAM VERMA
Address of Secretary	BYE PASS KATHER, POST OFFICE- CHAMBA GHAT, DISTRICT SOLAN, HIMACHAL PRADESH PIN 173213
Telephone No. of Secretary	01792230458
(vii)Name of Officer-in-Charge of Market Information	SH. PURSHOTAM VERMA
Address of Officer-in-Charge of Market Information	BYE PASS KATHER, POST OFFICE -CHAMBA GHAT, DISTRICT SOLAN, HIMACHAL PRADESH PIN 173213
Telephone No. of Officer-in-Charge of Market Information	01792230458
(viii)If Unregulated, Name of Owner and Management	APMC SOLAN

(ix)Details of Staff:	Supervisory	Administrative
a)Permanent	19	1
b)Temporary	0	0
(x)Market holidays	LAST SUNDAY OF THE MONTH	
(xi)Market hours	MORNING	

Rail/Road Connectivity	
(i)Name of the nearest railway station	SOLAN
(ii)Distance of the railway station from the market(in Kms)	1
(iii)Name of the Nearest National /State Highway	NH 22

Market Area	
(i)Notified area of Market Committee	WHOLE THE DISTRICT(----KMS)
(ii)Subyard (If any) and It's exact location	13
(iii)Farthest place in the Hinterland	Nalagarh
(iv)Nearest place in the Hinterland	Saproon
(v)Commodity Wise Processing Units in the Market area	HPMC Pwn+Himalyanjuce
(vi)Number of Cold Storages available	0
(vii)Capacity of Cold Storages available	
(viii)Number of Commodities notified under regulation	99
(viiii)Average daily dispatches to outside markets during the season	270 ton
(x)Average daily dispatches to outside markets during the peak period	470 ton
(xi)Names of traditional markets(important) to which produce is sent	Delhi, Patiala, Amritsar, Panipat, Saharunpur

Arrivals / Dispatches			
(i)	Name of 10 commodities important in terms of arrivals:		Name of Commodity	Annual Production
		1.	Tamato	0
		2.	Capsicum	0
		3.	French Bean	0
		4.	Ginger	0
		5.	Peas	0
		6.	Garlic	0
		7.	Cabbage	0
		8.	Carliflower	0
		9.	Patato	0
		10.	Apple	0

(ii)	Marketing season commodity wise for 10 important commodities:	Name of Commodity	Season(From-To)	Peak Season (From-To)
		1.Tamato	June-Nov	July-Sept
		2.Capsicum	June-Nov	July-Sept
		3.French Bean	June-Nov	July-Sept
		4.Ginger	Sept-Jan	Oct-Nov
		5.Peas	March-Nov	April-May
		6.Garlic	May-Oct	June-July
		7.Cabbage	March-Nov	May-Sept
		8.Carliflower	Feb-Nov	March-June
		9.Patato	May-Nov	June-Oct
		10.Apple	July-Nov	Aug-Sept

(iii)	Average daily arrivals in Metric Tonnes throughout season of all commodities:	Name Of Commodity	Average Daily Arrivals
		1.Tamato	80
		2.Capsicum	10
		3.French Bean	5
		4.Ginger	10
		5.Peas	10
		6.Garlic	12
		7.Cabbage	5
		8.Carliflower	5
		9.Patato	10
		10.Apple	20

(iv)	Maximum daily arrivals in the market:	Name of Commodity	Maximum Daily Arrivals In The Market
		1.Tamato	260
		2.Capsicum	15
		3.French Bean	10
		4.Ginger	40
		5.Peas	60
		6.Garlic	40
		7.Cabbage	20
		8.Carliflower	20
		9.Patato	30
		10.Apple	120

(v)	Minimum daily arrivals in the market:	Name of Commodity	Minimum Daily Arrivals In The Market
		1.Tamato	10
		2.Capsicum	5
		3.French Bean	4
		4.Ginger	5
		5.Peas	8
		6.Garlic	10
		7.Cabbage	3
		8.Carliflower	4
		9.Patato	8
		10.Apple	10

(vi)	Unit of price quotation:	Name of Commodity	Unit Of Price Quotation
		1.Tamato	24 Kg Cret
		2.Capsicum	Per Kg
		3.French Bean	Per Kg
		4.Ginger	Per Kg
		5.Peas	Per Kg
		6.Garlic	Per Kg
		7.Cabbage	Per Kg
		8.Carliflower	Per Kg
		9.Patato	Per Kg
		10.Apple	22 Kg Box

(vii)	Standard filling of pack size:	Name of Commodity	Standard Filling Of Pack Size
		1.Tamato	24Kg Cret
		2.Capsicum	25 Kg Bag
		3.French Bean	30 Kg Bag
		4.Ginger	50 Kg Bag
		5.Peas	30 Kg Bag
		6.Garlic	30 Kg bag
		7.Cabbage	25 Kg Bag
		8.Carliflower	30 Kg Bag
		9.Patato	50 Kg Bag
		10.Apple	22 Kg Box

Name of Commodity	Total Annual Arrivals		
	2006-2007	2007-2008	2008-2009
Tamato	0	228782	222143
Capsicum	0	28854	16137
French Bean	0	19772	13757
Ginger	0	5067	2134
Peas	0	38476	32514
Garlic	0	12336	29129
Cabbage	0	4804	5644
Carliflower	0	4770	8519
Patato	0	28348	28704
Apple	0	101630	182897

Market Functionaries					
)	No. of Licensed Wholesale and Other Functionaries of all categories including Cooperatives:	Name	Number	License Fee	Number Of Years
		Commission Agents	53	300	1

(ii)Time at which sale begins in the market	7 AM
(iii)Peak trading hours	8AM
(iv)Time at which sale ends in the market	6 PM
(v)Whether produce is cleaned/graded before sale	No
(vi)Accepted grade in the market	FA2
(vii)Farmer level grading in practice	Yes
(viii)Are there quality disputes?	No
(ix)How are quality disputes settled?	Mutually

Transactional Methods		
(i)	System of sale(if different for commodities please clarify)	Open Auction and Negotiations
(ii)	System of weighment	Weighing Mechine
(iii)	System of payment	Cash
(iv)	Degree of transparency on method of Sale,Weighment and Payment	100 %
		Dispute Sub

(v)	Transactional Disputes and Redressal Mechanism		Dispute Sub Committee

Transportation			
(i)	Modes of transport generally adopted for the market		Truck, Canter, Tempo,Utility
(ii)	Modes of transport for despatches to various stations		do
(iii)	Modal Mix% Mode Wise		50% -50%

Storage			
(i)	Storage facilities available in the market with trade as well as APMC		No	
(ii)	Availability of Ripening Chambers if available		Number	Capacity
	0			

Facilities and Services		
(i)	Information Notice Board/Electric Display Board	Yes
(ii)	Public Address System	Tikker board
(iii)	Are the prices displayed on the Notice Board	Yes
(iv)	Are the producers able to read the information displayed on The Notice Board	Yes
(v)	Availability Of:	
-	Canteen	Yes
-	Restaurant	No
-	Toilets	Yes
-	Internal Roads	Yes
-	Parking	Yes
-	Fencing	Yes
-	Post Office	No
-	Bank	Yes
-	Input/Sundry Shops	No
-	Fire Extinguishers	Yes
-	Rest house for farmers	Yes
-	Drinking Water	Yes
-	Electricity	Yes
-	Auction Platform	Yes
-	Grading and Analysing Laboratory	No
-	Mechanical Graders	No
-	Sieves	No
-	Garbage Disposal System	Yes
-	Sweeping Facilities	Yes
-	Information Unit	Yes
-	Extension Unit	Yes
-	Audio Visual side	No
-	Market office building	Yes
(vi)	Name of Welfare scheme for producers:	Farmers awareness camps. Distribution of packing materials.

Market Charges		
-	Commission	5 %
-	Market Fee	1 %
-	Weighment	
-	Brokerage	NIL
-	Charity	NIL
-	Trade Allowance	NIL
-	Octroi	NIL
-	Sales Tax	NIL
-	Other Taxes/Levies	NIL
-	Other Charges	

Financial Position	
Annual Income	45339618
Annual Expenditure	37192764
Surplus/Deficit	8146854
Total Reserves with APMC on 31st March	30312420
Total Liabilities(loan etc.)with APMC on 31st March	1

Jharkhand

Agmarknet
Mandi Profile

Information may not be available for certain fields

Close

General Information		
(i)	City	Ranchi
(ii)	Full Postal Address	APMC, PANDRA, RANCHI-05, JHARKHAND,
(iii)	Email	apmc_ranchi@yahoo.co.in
(iv)	Telephone No. with STD Code	0651-2510602
(v)	Year of establishment	1963
(vi)	Population Served	968309
(vii)	Geographical area served by Market (No. of Villages etc.)	1061

Administration			
(i)	Regulated/Unregulated	Regulated	
(ii)	Year of Regulation	0	
(iii)	Name of the Market Legislation	Jharkhand State Agriculture Market Act 2000	
(iv)	Whether Elected/Nominated/Superseded APMC	Elected	
(v)	Name of Chairman/Administrator	Sri. Ameet Kumar	
	Address of Chairman/Administrator	S.D.O Ranchi	
	Telephone No. of Chairman/Administrator	06512208378	
(vi)	Name of Secretary	Sri. Govind Kant Jha	
	Address of Secretary	A.P.M.C.Pandra,Ranchi	
	Telephone No. of Secretary	0651-2510602	
(vii)	Name of Officer-in-Charge of Market Information	Sri. Govind Kant Jha	
	Address of Officer-in-Charge of Market Information	A.P.M.C,Pandra,Ranchi	
	Telephone No. of Officer-in-Charge of Market Information	0651- 2510602	
(viii)	If Unregulated, Name of Owner and Management	A.P.M.C. Ranchi	
(ix)	Details of Staff:	Supervisory	Administrative
a)	Permanent	7	34

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a)Permanent	7	34	
b)Temporary	0	2	
(x)Market holidays		Sunday	
(xi)Market hours		2 PM - 10 PM	

Rail/Road Connectivity

(i)Name of the nearest railway station	Ranchi
(ii)Distance of the railway station from the market(in Kms)	12
(iii)Name of the Nearest National /State Highway	Ranchi Daltonganj Road

Market Area

(i)Notified area of Market Committee	Whole Ranchi Sub-division
(ii)Subyard (If any) and It's exact location	26 (Twenty Six)
(iii)Farthest place in the Hinterland	Lapung
(iv)Nearest place in the Hinterland	Chipra (Ratu)
(v)Commodity Wise Processing Units in the Market area	50
(vi)Number of Cold Storages available	13
(vii)Capacity of Cold Storages available	22782 Cubic metre
(viii)Number of Commodities notified under regulation	194
(viiii)Average daily dispatches to outside markets during the season	10-15 truck per day
(x)Average daily dispatches to outside markets during the peak period	20-25 truck per day
(xi)Names of traditional markets(important) to which produce is sent	Khunti, Bundu, Simdega etc.

Arrivals / Dispatches

(i)	Name of 10 commodities important in terms of arrivals:		Name of Commodity	Annual Production
		1.	Rice	35867
		2.	Wheat	2733
		3.	Atta,Suji,Maida	21353
		4.	Gram	1833
		5.	Dal	2445
		6.	Musturd Oil	12117
		7.	Vanaspati	3420
		8.	Sugar	24298
		9.	Potato	66257
		10.	Onion	27462

(ii)	Marketing season commodity wise for 10 important commodities:	Name of Commodity	Season(From-To)	Peak Season (From-To)
		1.Rice	Jan-Dec	Jan-Dec
		2.Wheat	Jan-Dec	Jan-Dec
		3.Atta,Suji,Maida	Jan-Dec	Jan-Dec
		4.Gram	Jan-Dec	Jan-Dec
		5.Dal	Jan-Dec	Jan-Dec
		6.Musturd Oil	Jan-Dec	Jan-Dec
		7.Vanaspati	Jan-Dec	Jan-Dec
		8.Sugar	Jan-Dec	Jan-Dec
		9.Potato	June-Nov	Dec-April
		10.Onion	July-Feb	March-June

(iii)	Average daily arrivals in Metric Tonnes throughout season of all commodities:	Name Of Commodity	Average Daily Arrivals
		1.Rice	101
		2.Wheat	8
		3.Atta,Suji,Maida	58
		4.Gram	6
		5.Dal	19
		6.Musturd Oil	34
		7.Vanaspati	10
		8.Sugar	80
		9.Potato	190
		10.Onion	78

(iv)	Maximum daily arrivals in the market:	Name of Commodity	Maximum Daily Arrivals In The Market
		1.Rice	120
		2.Wheat	30
		3.Atta,Suji,Maida	70
		4.Gram	10
		5.Dal	25
		6.Musturd Oil	40
		7.Vanaspati	12
		8.Sugar	120
		9.Potato	225
		10.Onion	100

(v)	Minimum daily arrivals in the market:	Name of Commodity	Minimum Daily Arrivals In The Market
		1.Rice	90
		2.Wheat	3
		3.Atta,Suji,Maida	30
		4.Gram	4
		5.Dal	10
		6.Musturd Oil	25
		7.Vanaspati	6
		8.Sugar	65
		9.Potato	175
		10.Onion	60

(vi)	Unit of price quotation:	Name of Commodity	Unit Of Price Quotation
		1.Rice	Quintal
		2.Wheat	Quintal
		3.Atta,Suji,Maida	Quintal
		4.Gram	Quintal
		5.Dal	Quintal
		6.Musturd Oil	Quintal
		7.Vanaspati	Quintal
		8.Sugar	Quintal
		9.Potato	Quintal
		10.Onion	Quintal

(vii)	Standard filling of pack size:	Name of Commodity	Standard Filling Of Pack Size
		1.Rice	50Kg 100Kg
		2.Wheat	50Kg 100kg
		3.Atta,Suji,Maida	50Kg 90Kg
		4.Gram	50kg 100kg
		5.Dal	50 kg
		6.Musturd Oil	5Kg 15Kg
		7.Vanaspati	1kg 2kg 5kg 15kg
		8.Sugar	50Kg 100Kg
		9.Potato	50Kg
		10.Onion	40Kg

Name of Commodity		Total Annual Arrivals	

Name of Commodity		Total Annual Arrivals	
	2009-2010	2010-11	2011-12
Rice	27551	38773.9	35867.1
Wheat	2619.7	2374.9	2733.9
Atta,Suji,Maida	19530.3	18965.1	21353
Gram	4877.2	3015.7	1833.5
Dal	889.7	864.1	2445.3
Musturd Oil	11552	11963.9	12117.7
Vanaspati	4991.9	4203.5	3420.3
Sugar	38861.4	30487.1	24298.7
Potato	52761.8	54044.5	66257.6
Onion	21842.3	20424.8	27462.7

Market Functionaries					
(i)	No. of Licensed Wholesale and Other Functionaries of all categories including Cooperatives:	Name	Number	License Fee	Number Of Years
		Food grains,Edible Oil, Pulses, Kirana, Potato	568	Rs. 50/-	0
		Dal Mill & Flour Mills	30	Rs. 50/-	0
		Fruits & Vegetable Merchants	87	Rs. 50/-	0
		Fish & Egg Merchants	26	Rs. 50/-	0
		Wodden Mills	50	Rs. 50/-	0

		Stockists	19	Rs. 50/-	0
		Others	164	Rs. 50/-	0

(ii)Time at which sale begins in the market	2 PM
(iii)Peak trading hours	2 PM to 10 PM
(iv)Time at which sale ends in the market	10 PM
(v)Whether produce is cleaned/graded before sale	No
(vi)Accepted grade in the market	Yes
(vii)Farmer level grading in practice	No
(viii)Are there quality disputes?	No
(ix)How are quality disputes settled?	By Mutual Settlement

Transactional Methods		
(i)	System of sale(if different for commodities please clarify)	Mutual Negotiation
(ii)	System of weighment	Metric System
(iii)	System of payment	Cash & Draft
(iv)	Degree of transparency on method of Sale,Weighment and Payment	100 % Transperency
(v)	Transactional Disputes and Redressal Mechanism	Mutual Understanding

Transportation		
(i)	Modes of transport generally adopted for the market	Truck, Auto & Small Vehicles
(ii)	Modes of transport for despatches to various stations	Auto, Tata 407 etc.
(iii)	Modal Mix% Mode Wise	Auto Rikshaw

Storage			
(i)Storage facilities available in the market with trade as well as APMC		No	
(ii)Availability of Ripening Chambers if available		Number	Capacity
0			

Facilities and Services		
(i)	Information Notice Board/Electric Display Board	Yes
(ii)	Public Address System	
(iii)	Are the prices displayed on the Notice Board	Yes
(iv)	Are the producers able to read the information displayed on The Notice Board	Yes
(v)	Availability Of:	
-	Canteen	Yes
-	Restaurant	Yes
-	Toilets	Yes
-	Internal Roads	Yes
-	Parking	Yes
-	Fencing	Yes
-	Post Office	No
-	Bank	Yes
-	Input/Sundry Shops	Yes
-	Fire Extinguishers	Yes
-	Rest house for farmers	Yes
-	Drinking Water	Yes
-	Electricity	Yes
-	Auction Platform	Yes
-	Grading and Analysing Laboratory	No
-	Mechanical Graders	No
-	Sieves	No
-	Garbage Disposal System	No
-	Sweeping Facilities	Yes
-	Information Unit	Yes
-	Extension Unit	Yes
-	Audio Visual side	Yes
-	Market office building	Yes
(vi)	Name of Welfare scheme for producers:	Construction of PCC Rd in rural areas, Haat/Bazar development, Tubewells, Constructions of Open & covered platforms, Sanitary facilities under welfare scheme for producers & consumers.

Market Charges		
-	Commission	3% to 5%
-	Market Fee	1%
-	Weighment	
-	Brokerage	0.5%
-	Charity	
-	Trade Allowance	
-	Octroi	
-	Sales Tax	As Aplicable
-	Other Taxes/Levies	4%
-	Other Charges	Nil

Financial Position	
Annual Income	176505522
Annual Expenditure	100615476
Surplus/Deficit	75890046
Total Reserves with APMC on 31st March	553294840
Total Liabilities(loan etc.)with APMC on 31st March	0

Karnataka

Agmarknet
Mandi Profile

Information may not be available for certain fields

Close

General Information

(i)	City	Davangere
(ii)	Full Postal Address	Secretary, APMC yard, Davangere
(iii)	Email	
(iv)	Telephone No. with STD Code	08192-255044
(v)	Year of establishment	1948
(vi)	Population Served	514100
(vii)	Geographical area served by Market (No. of Villages etc.)	918

Administration

(i)	Regulated/Unregulated	Regulated	
(ii)	Year of Regulation	1966	
(iii)	Name of the Market Legislation	Karnataka Agricultural Produce Marketing (Regulation) Act. 1966	
(iv)	Whether Elected/Nominated/Superseded APMC	Elected	
(v)	Name of Chairman/Administrator	H. Halappa	
	Address of Chairman/Administrator	Chairman APMC, Davangere.	
	Telephone No. of Chairman/Administrator	08192-231623	
(vi)	Name of Secretary	H.Kuberanaik	
	Address of Secretary	Secretary, APMC, Davangere	
	Telephone No. of Secretary	08192-232719	
(vii)	Name of Officer-in-Charge of Market Information	Asst. Secretary,	
	Address of Officer-in-Charge of Market Information	Assistant Secretary, APMC, Davnagere.	
	Telephone No. of Officer-in-Charge of Market Information	08192-255044	
(viii)	If Unregulated, Name of Owner and Management	Secretary	
(ix)	Details of Staff:	Supervisory	Administrative
a)	Permanent	22	11
b)	Temporary	0	0
(x)	Market holidays	All General Hoidays, Sunday, and 2nd Saturday & Local Holidays.	
(xi)	Market hours	9.00 AM to 1.00 PM, 3.00 PM to 6.00 PM	

Rail/Road Connectivity

(i)	Name of the nearest railway station	Davangere
(ii)	Distance of the railway station from the market(in Kms)	1
(iii)	Name of the Nearest National /State Highway	N.H. - 4.

Market Area

(i)	Notified area of Market Committee	Entire Davanagere Taluk
(ii)	Subyard (If any) and It's exact location	Nil
(iii)	Farthest place in the Hinterland	Shikaripura/Shimoga/Holalkere/Hadagali/Tarikere etc.
(iv)	Nearest place in the Hinterland	Harihar/Channagiri/Jagalur/Harapanahalli etc.
(v)	Commodity Wise Processing Units in the Market area	Paddy, Processor.100
(vi)	Number of Cold Storages available	0
(vii)	Capacity of Cold Storages available	0
(viii)	Number of Commodities notified under regulation	113
(viiii)	Average daily dispatches to outside markets during the season	8000
(x)	Average daily dispatches to outside markets during the peak period	15000
(xi)	Names of traditional markets(important) to which produce is sent	Nil

Arrivals / Dispatches

(i)	Name of 10 commodities important in terms of arrivals:		Name of Commodity	Annual Production
		1.	Paddy	0
		2.	Jower	0
		3.	Maize	0
		4.	Groundnut	0
		5.	Cotton	0
		6.	Ragi	0
		7.	Sunflower	0
		8.	Arecanut	0
		9.	Coconut	0
		10.	Onion	0

(ii)	Marketing season commodity wise for 10 important commodities:	Name of Commodity	Season(From-To)	Peak Season (From-To)
		1.Paddy	May to July, Nov to Jan	Jun, Dec
		2.Jower	Nove to March	January
		3.Maize	Oct to April	Nov to Dec
		4.Groundnut	April to June Aug to Oct	May, September
		5.Cotton	Oct to March	Dec, Jan
		6.Ragi	Nov to March	January
		7.Sunflower	April to Jan, Sep to Dec	May, Nov
		8.Arecanut	Oct. to Jan	Nov, Dec
		9.Coconut	Throughout Season	
		10.Onion	Throughout Season	

(iii)	Average daily arrivals in Metric Tonnes throughout season of all commodities:	Name Of Commodity	Average Daily Arrivals
		1.Paddy	300
		2.Jower	15
		3.Maize	250
		4.Groundnut	150
		5.Cotton	15
		6.Ragi	25
		7.Sunflower	12
		8.Arecanut	0.8
		9.Coconut	5000
		10.Onion	50

(iv)	Maximum daily arrivals in the market:	Name of Commodity	Maximum Daily Arrivals In The Market
		1.Paddy	600
		2.Jower	25
		3.Maize	500
		4.Groundnut	250
		5.Cotton	25
		6.Ragi	48
		7.Sunflower	28
		8.Arecanut	0.15
		9.Coconut	10000
		10.Onion	100

(v)	Minimum daily arrivals in the market:	Name of Commodity	Minimum Daily Arrivals In The Market
		1.Paddy	250
		2.Jower	10
		3.Maize	150
		4.Groundnut	50
		5.Cotton	5
		6.Ragi	20
		7.Sunflower	9
		8.Arecanut	0.5
		9.Coconut	7000
		10.Onion	25

(vi)	Unit of price quotation:	Name of Commodity	Unit Of Price Quotation
		1.Paddy	Quintal
		2.Jower	Quintal
		3.Maize	Quintal
		4.Groundnut	Quintal
		5.Cotton	Quintal
		6.Ragi	Quintal
		7.Sunflower	Quintal
		8.Arecanut	Quintal
		9.Coconut	Nos
		10.Onion	Quintal

(vii)	Standard filling of pack size:	Name of Commodity	Standard Filling Of Pack Size
		1.Paddy	75 Kg
		2.Jower	100 Kg
		3.Maize	100 Kg
		4.Groundnut	35 Kg
		5.Cotton	40 Kg bag, 200 kg docra
		6.Ragi	100 Kg
		7.Sunflower	45 Kg

		Bulluck cart	0	0	0

(ii)Time at which sale begins in the market		9.00 A.M.	
(iii)Peak trading hours		9.00 A.M. to 6.00 P.M.	
(iv)Time at which sale ends in the market		12.00 Noon	
(v)Whether produce is cleaned/graded before sale		Yes	
(vi)Accepted grade in the market		EYE Sight Grade	
(vii)Farmer level grading in practice		No	
(viii)Are there quality disputes?		No	
(ix)How are quality disputes settled?		- Nil -	

Transactional Methods	
) System of sale(if different for commodities please clarify)	Ground Nut, Cotton, Sunflower, E-Tender Tur, Arecanut, Tender system Foodgrains & Cattle Mutual System, Onion,Gralic, Potato by open Action.
) System of weighment	After Sale Electronic Weighment
) System of payment	After Sales Through Commission Agent
) Degree of transparency on method of Sale,Weighment and Payment	Transparency is Mantained
) Transactional Disputes and Redressal Mechanism	- No -

Transportation	
) Modes of transport generally adopted for the market	Lorry, Tractor, Cart

		8.Arecanut	60 Kg
		9.Coconut	Nos
		10.Onion	50 Kg

Name of Commodity		Total Annual Arrivals		
	2009-10	2010-2011		2011-2012
Paddy	1917023	2170423		2370980
Jower	5793	5069		4521
Maize	1236103	1559656		988319
Groundnut	28217	54176		38940
Cotton	53073	54400		48168
Ragi	8572	9711		12044
Sunflower	13873	7205		7727
Arecanut	7927	5634		5384
Coconut	1647965	1153250		2192585
Onion	328400	298820		175227

Market Functionaries					
(i) No. of Licensed Wholesale and Other Functionaries of all categories including Cooperatives:		Name	Number	License Fee	Number Of Years
		Traders	744	200.00	10
		Commission Agents	399	200.00	10
		Importer	739	100.00	10
		Exporter	709	100.00	10
		Processor	111	100.00	10
		Stockiest	1081	100.00	10
		Ginner	1	100.00	10
		Pressers	1	100.00	10
		Warehouse men	2	100.00	10
		Crusher	0	0	0
		Hamali or [cooli]	673	10.00	10
		Retailers	43	25.00	10

(ii)	Modes of transport for despatches to various stations		By Truck, Wegon(Goods Train)
(iii)	Modal Mix% Mode Wise		By Truck

Storage			
(i)	Storage facilities available in the market with trade as well as APMC	Yes	
(ii)	Availability of Ripening Chambers if available	Number	Capacity
	0	0	

Facilities and Services		
(i)	Information Notice Board/Electric Display Board	Yes
(ii)	Public Address System	Yes
(iii)	Are the prices displayed on the Notice Board	Yes
(iv)	Are the producers able to read the information displayed on The Notice Board	Yes
(v)	Availability Of:	
-	Canteen	Yes
-	Restaurant	Yes
-	Toilets	Yes
-	Internal Roads	Yes
-	Parking	Yes
-	Fencing	Yes
-	Post Office	Yes
-	Bank	Yes
-	Input/Sundry Shops	Yes
-	Fire Extinguishers	No
-	Rest house for farmers	Yes
-	Drinking Water	Yes
-	Electricity	Yes
-	Auction Platform	Yes
-	Grading and Analysing Laboratory	No
-	Mechanical Graders	No
-	Sieves	No
-	Garbage Disposal System	Yes
-	Sweeping Facilities	Yes
-	Information Unit	No
-	Extension Unit	No
-	Audio Visual side	No
-	Market office building	Yes
(vi)	Name of Welfare scheme for producers:	Raitha Sanjeevini Pledge Loan Facility Jana Sree virna yojana

Market Charges		
-	Commission	2
-	Market Fee	1.5%
-	Weighment	0.5 to 3 per unit
-	Brokerage	0.5 to 10
-	Charity	0
-	Trade Allowance	0
-	Octroi	0
-	Sales Tax	VAT 5%
-	Other Taxes/Levies	0
-	Other Charges	- No -

Financial Position	
Annual Income	81452286
Annual Expenditure	26767330
Surplus/Deficit	54684956
Total Reserves with APMC on 31st March	94121226
Total Liabilities/loan etc. with APMC on 31st March	0

Kerala

Agmarknet
Mandi Profile

Information may not be available for certain fields

Close

General Information		
(i)	City	irikur
(ii)	Full Postal Address	Asst. Director of Agriculture, ADA Office,Trikkur,Mayyil Po, Pin 670602
(iii)	Email	
(iv)	Telephone No. with STD Code	-
(v)	Year of establishment	0
(vi)	Population Served	25600
(vii)	Geographical area served by Market (No. of Villages etc.)	33

Administration			
(i)	Regulated/Unregulated	Unregulated	
(ii)	Year of Regulation	0	
(iii)	Name of the Market Legislation	Mayyil	
(iv)	Whether Elected/Nominated/Superseded APMC	Nominated	
(v)	Name of Chairman/Administrator		
	Address of Chairman/Administrator		
	Telephone No. of Chairman/Administrator		
(vi)	Name of Secretary		
	Address of Secretary		
	Telephone No. of Secretary		
(vii)	Name of Officer-in-Charge of Market Information	D. Kalidas	
	Address of Officer-in-Charge of Market Information	ADA Irikkur PO Mayyil	
	Telephone No. of Officer-in-Charge of Market Information		
(viii)	If Unregulated, Name of Owner and Management	Private Management	
(ix)	Details of Staff:	Supervisory	Administrative
	a)Permanent	0	0

b)Temporary		0	0
(x)Market holidays			sunday,monday, wedensday, friday, saturday
(xi)Market hours			10

Rail/Road Connectivity	
(i)Name of the nearest railway station	kannur
(ii)Distance of the railway station from the market(in Kms)	22
(iii)Name of the Nearest National /State Highway	NH 17

Market Area	
(i)Notified area of Market Committee	Taliparamaba
(ii)Subyard (If any) and It's exact location	No
(iii)Farthest place in the Hinterland	Panniyoor
(iv)Nearest place in the Hinterland	Mayyil
(v)Commodity Wise Processing Units in the Market area	No
(vi)Number of Cold Storages available	0
(vii)Capacity of Cold Storages available	NA
(viii)Number of Commodities notified under regulation	4
(viiii)Average daily dispatches to outside markets during the season	1 Tone
(x)Average daily dispatches to outside markets during the peak period	1.5 Tone
(xi)Names of traditional markets(important) to which produce is sent	Taliparamba Market

Arrivals / Dispatches				
(i)	Name of 10 commodities important in terms of arrivals:		Name of Commodity	Annual Production
		1.	Banana	120
		2.	Mango	30
		3.	Cachew	350
		9.	Peppar	2

(ii)	Marketing season commodity wise for 10 important commodities:	Name of Commodity	Season(From-To)	Peak Season (From-To)
		1.Banana	Sept-.Feb	Oct-Jan
		2.Mango	Feb-May	March-April
		3.Cachew	Feb-May	March-April
		9.Peppar	Dec-Feb	Jan

(iii)	Average daily arrivals in Metric Tonnes throughout season of all commodities:	Name Of Commodity	Average Daily Arrivals
		1.Banana	300
		2.Mango	100
		3.Cachew	600
		9.Peppar	100

(iv)	Maximum daily arrivals in the market:	Name of Commodity	Maximum Daily Arrivals In The Market
		1.Banana	400
		2.Mango	200
		3.Cachew	2000
		9.Peppar	200

(v)	Minimum daily arrivals in the market:	Name of Commodity	Minimum Daily Arrivals In The Market
		1.Banana	200
		2.Mango	100
		3.Cachew	700
		9.Peppar	60

(vi)	Unit of price quotation:	Name of Commodity	Unit Of Price Quotation
		1.Banana	Rs1300/quintal
		2.Mango	Rs 1200/q
		3.Cachew	Rs 3500/q
		9.Peppar	Rs 6250/q

(vii)	Standard filling of pack size:	Name of Commodity	Standard Filling Of Pack Size
		1.Banana	Nil
		2.Mango	25kg
		3.Cachew	80 Kg
		9.Peppar	80 kg

Name of Commodity	Total Annual Arrivals		
	2002-2003	2003-2004	2004-2005
Banana	120	110	150
Mango	16	14	18
Cachew	360	350	400

Peppar	1.5	1	1.5

Market Functionaries

(i)	No. of Licensed Wholesale and Other Functionaries of all categories including Cooperatives:				
		Name	Number	License Fee	Number Of Years
		Cashew	4	Rs200/year	3
		Pepper	2	Rs200/year	5
		Banana	2	Rs 200/year	3
		Mango	1	Rs200/year	2

(ii)Time at which sale begins in the market	9 AM
(iii)Peak trading hours	10 Hours
(iv)Time at which sale ends in the market	7 pm
(v)Whether produce is cleaned/graded before sale	Yes
(vi)Accepted grade in the market	No Grading
(vii)Farmer level grading in practice	No
(viii)Are there quality disputes?	No
(ix)How are quality disputes settled?	NA:

Transactional Methods

(i)	System of sale(if different for commodities please clarify)	
(ii)	System of weighment	weighing measures
(iii)	System of payment	cash
(iv)	Degree of transparency on method of Sale,Weighment and Payment	100 Percent Transperancy
(v)	Transactional Disputes and Redressal Mechanism	NA:

Transportation

(i)	Modes of transport generally adopted for the market	Goods Auto ,Jeep, Lorry
(ii)	Modes of transport for despatches to various stations	Goods Auto ,Jeep,

(iii)	Modal Mix% Mode Wise	Auto 55%,Jeep 30%,Lorry 15%

Storage

(i)Storage facilities available in the market with trade as well as APMC		No	
(ii)Availability of Ripening Chambers if available		Number	Capacity
0		0	

Facilities and Services

(i)	Information Notice Board/Electric Display Board	Yes
(ii)	Public Address System	Notice Board
(iii)	Are the prices displayed on the Notice Board	Yes
(iv)	Are the producers able to read the information displayed on The Notice Board	Yes
(v)	Availability Of:	
-	Canteen	No
-	Restaurant	Yes
-	Toilets	No
-	Internal Roads	No
-	Parking	No
-	Fencing	No
-	Post Office	Yes
-	Bank	Yes
-	Input/Sundry Shops	Yes
-	Fire Extinguishers	No
-	Rest house for farmers	No
-	Drinking Water	No
-	Electricity	Yes
-	Auction Platform	No
-	Grading and Analysing Laboratory	No
-	Mechanical Graders	No
-	Sieves	No
-	Garbage Disposal System	No
-	Sweeping Facilities	No
-	Information Unit	No
-	Extension Unit	No
-	Audio Visual side	No
-	Market office building	No
(vi)	Name of Welfare scheme for producers:	

Market Charges

-	Commission	Yes
-	Market Fee	No
-	Weighment	Yes
-	Brokerage	No
-	Charity	No
-	Trade Allowance	No
-	Octroi	VAT
-	Sales Tax	VAT
-	Other Taxes/Levies	VAT
-	Other Charges	Nil

Financial Position

Annual Income	0
Annual Expenditure	0
Surplus/Deficit	0
Total Reserves with APMC on 31st March	0
Total Liabilities(loan etc.)with APMC on 31st March	0

Maharashtra

Agmarknet
Mandi Profile

Information may not be available for certain fields

Close

General Information		
(i)City	Ahmednagar	
(ii)Full Postal Address		
(iii)Email	am_ahmednagar@sancharnet.in	
(iv)Telephone No. with STD Code		
(v)Year of establishment	1954	
(vi)Population Served	325	
(vii)Geographical area served by Market (No. of Villages etc.)		

Administration		
(i)Regulated/Unregulated		
(ii)Year of Regulation	0	
(iii)Name of the Market Legislation		
(iv)Whether Elected/Nominated/Superseded APMC		
(v)Name of Chairman/Administrator		
Address of Chairman/Administrator		
Telephone No. of Chairman/Administrator		
(vi)Name of Secretary		
Address of Secretary		
Telephone No. of Secretary		
(vii)Name of Officer-in-Charge of Market Information		
Address of Officer-in-Charge of Market Information		
Telephone No. of Officer-in-Charge of Market Information		
(viii)If Unregulated, Name of Owner and Management		
(ix)Details of Staff.	Supervisory	Administrative
a)Permanent	0	0
b)Temporary	0	0

	Supervisory	Administrative
a)Permanent	0	0
b)Temporary	0	0
(x)Market holidays	Sunday	
(xi)Market hours	10.30am To 05.30Pm	

Rail/Road Connectivity		
(i)Name of the nearest railway station	Ahmednagar	
(ii)Distance of the railway station from the market(in Kms)	1	
(iii)Name of the Nearest National /State Highway		

Market Area		
(i)Notified area of Market Committee		
(ii)Subyard (If any) and It's exact location		
(iii)Farthest place in the Hinterland		
(iv)Nearest place in the Hinterland		
(v)Commodity Wise Processing Units in the Market area		
(vi)Number of Cold Storages available	0	
(vii)Capacity of Cold Storages available		
(viii)Number of Commodities notified under regulation	0	
(viiii)Average daily dispatches to outside markets during the season		
(x)Average daily dispatches to outside markets during the peak period		
(xi)Names of traditional markets(important) to which produce is sent		

No information available for Arrivals and Despatches

No information available on Licensed Functionaries

No information available for Market Functionaries,Transactional Methods and Transportation

No information available for Storage,Availability of Facilities and Services,Market Charges and Financial Position

M.P.

General Information	
(i)City	Indore
(ii)Full Postal Address	KRISHI UPAJ MANDI SAMITI, INDORE LAXMIBAI NAGAR, INDORE
(iii)Email	
(iv)Telephone No. with STD Code	0731- 02411223
(v)Year of establishment	1961
(vi)Population Served	699
(vii)Geographical area served by Market (No. of Villages etc.)	176
Administration	
(i)Regulated/Unregulated	Regulated
(ii)Year of Regulation	1973

(iii)	Name of the Market Legislation		M.P. Mandi Board	
(iv)	Whether Elected/Nominated/Superseded APMC		Elected	
(v)	Name of Chairman/Administrator		SHRI SOMESHVER PATEL	
	Address of Chairman/Administrator		Gram Pipdai Teh & dist Indore	
	Telephone No. of Chairman/Administrator		9966000026	
(vi)	Name of Secretary		SHRI R.S. MANDLOI	
	Address of Secretary		APMC, INDORE	
	Telephone No. of Secretary		09425082694	
(vii)	Name of Officer-in-Charge of Market Information		SHRI DILIP KUMAR NAGAR	
	Address of Officer-in-Charge of Market Information		APMC, INDORE	
	Telephone No. of Officer-in-Charge of Market Information		09826857093	
(viii)	If Unregulated, Name of Owner and Management		KRISHI UPAJ MANDI SAMITI, INDORE	
(ix)	Details of Staff:	Supervisory		Administrative
a)	Permanent	62		4
b)	Temporary	18		0

Rail/Road Connectivity		
(i)	Name of the nearest railway station	Indore
(ii)	Distance of the railway station from the market(in Kms)	5
(iii)	Name of the Nearest National /State Highway	8

Market Area		
(i)	Notified area of Market Committee	Teh. indore
(ii)	Subyard (If any) and It's exact location	sanyogitaGanj Mandi,Devi Ahilyabai Holker F&V, Tejpur Gadbadi
(iii)	Farthest place in the Hinterland	
(iv)	Nearest place in the Hinterland	
(v)	Commodity Wise Processing Units in the Market area	Flour Mill,SoyaOil Mill,Mustard Mill Pulse Mill,
(vi)	Number of Cold Storages available	17
(vii)	Capacity of Cold Storages available	1700 MT EACH
(viii)	Number of Commodities notified under regulation	205
(viiii)	Average daily dispatches to outside markets during the season	1500 MT
(x)	Average daily dispatches to outside markets during the peak period	2500 MT
(xi)	Names of traditional markets(important) to which produce is sent	Mumbai,Delhi,Sangli,Dewas,Sholapur

Market Functionaries				
(i) No. of Licensed Wholesale and Other Functionaries of all categories including Cooperatives:	Name	Number	License Fee	Number Of Years
	Traders	1950	1000	5
	Hammal	2768	10	1
	Tulwati	115	20	1
	Commision Agent	1137	1000	5
	Broker	36	800	5
	Process	284	1000	5
	Warehouse	17	1000	5
(ii) Time at which sale begins in the market		8:30 am		
(iii) Peak trading hours		8:30 am -11:00 pm		

(iv)	Time at which sale ends in the market	11:00 pm	
(v)	Whether produce is cleaned/graded before sale	No	
(vi)	Accepted grade in the market	All	
(vii)	Farmer level grading in practice	Yes	
(viii)	Are there quality disputes?	Yes	
(ix)	How are quality disputes settled?	Mutual Negotiation	

Transactional Methods			
(i)	System of sale(if different for commodities please clarify)	Open Auction	
(ii)	System of weighment	Electronic	
(iii)	System of payment	Cash	
(iv)	Degree of transparency on method of Sale,Weighment and Payment	Fully Transparent	
(v)	Transactional Disputes and Redressal Mechanism	As per rules	

Storage			
(i)	Storage facilities available in the market with trade as well as APMC	Yes	
(ii)	Availability of Ripening Chambers if available	Number	Capacity
	22		

Facilities and Services		
(i)	Information Notice Board/Electric Display Board	Yes
(ii)	Public Address System	
(iii)	Are the prices displayed on the Notice Board	Yes
(iv)	Are the producers able to read the information displayed on The Notice Board	Yes
(v)	Availability Of:	
-	Canteen	Yes
-	Restaurant	Yes
-	Toilets	Yes
-	Internal Roads	Yes
-	Parking	Yes
-	Fencing	Yes
-	Post Office	No
-	Bank	Yes
-	Input/Sundry Shops	Yes
-	Fire Extinguishers	No
-	Rest house for farmers	
-	Drinking Water	Yes
-	Electricity	Yes
-	Auction Platform	Yes
-	Grading and Analysing Laboratory	No
-	Mechanical Graders	No
-	Sieves	No
-	Garbage Disposal System	Yes
-	Sweeping Facilities	Yes
-	Information Unit	Yes
-	Extension Unit	Yes
-	Audio Visual side	No
-	Market office building	Yes
(vi)	Name of Welfare scheme for producers:	CM farmers Life

)	Walfare Scheme,Agri.Distributi on Awarad Scheme	
Market Charges		
-Commission	Nill	
-Market Fee	2%	
-Weighment	5.73 /Q	
-Brokerage	Nill	
-Charity	0.2%	
-Trade Allowance	0	
-Octroi	0	
-Sales Tax	As per as Govt Rules	
-Other Taxes/Levies	0	
-Other Charges	0	
Financial Position		
Annual Income	360439020	
Annual Expenditure	317902943	
Surplus/Deficit	42536077	
Total Reserves with APMC on 31st March	219402991	
Total Liabilities (loan etc.)with APMC on 31st March	58705913	

2. **Grievance Management:**
   a. Candidate files the complaint to the Mandi Secretary/authority.
   b. Mandi Secretary/authority reviews the complaint discusses with the different parties or forwards the complaint to the respected authority.
   c. Respected Authority solves the complaint with the help of Mandi Secretary and Mandi Authority.

2.4 **Proposed (To-Be) Business Processes and Functional Requirements**

Each of the proposed new applications for the Agriculture MMP is envisioned to be constituted of modules that are either core or configurable in nature.

A. *Core Modules*

Core modules can be identified as modules whose functionalities cannot be changed from application to application. Their functionalities remain consistent irrespective of the application deployment location or the users using them. From a functional perspective the following modules would be required as the core modules in this application:

   a. *User Management*

The user management module would be used by the different stakeholders at various levels to log into the portal and enable them to use functionalities such as user creation, user access controls and user deletion.

Sub Modules to be covered under user management module are:

- Role Management

- User Group Management

- User Creation and Authentication

   b. *Status Tracking*
- The status tracking module would assist the farmers and private sector to track the status of their grievances or the queries posted to seek expert advisory, which is assumed to be in processing. The module would allow the user to trace the status using the unique reference number generated at the time of posting query/grievances.

B. *Configurable Modules*

Configurable modules can be identified as those, whose functionalities can be altered to facilitate state level variations in work-flows and transactions.

c. *Content Management*

The content management module would assist the government and private agencies to specify the content and its updation related to the specific service area, so that the information available on the portal would remain dynamic and could be utilized for decision support system by the government.
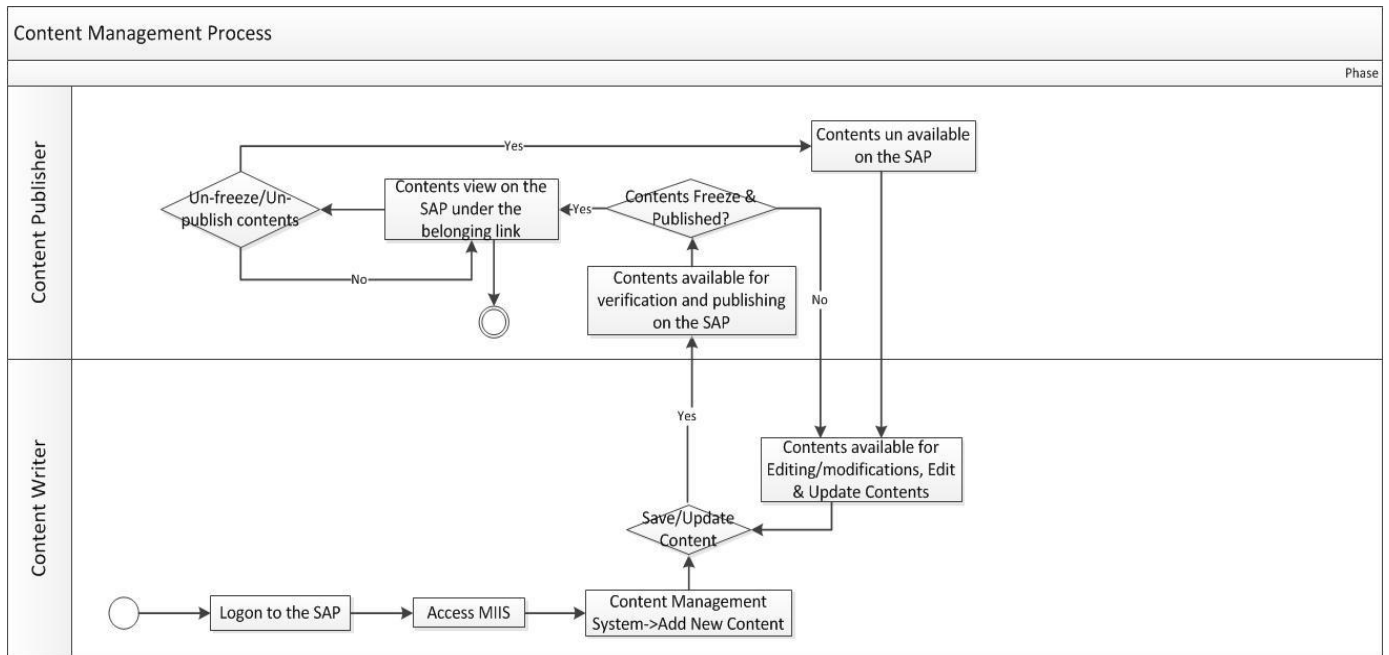
Content Management Process

d. *Grievance Redressal*

The grievance management module would facilitate the farmers/traders/buyers/general citizens to raise their grievances related to the selected sub service. The raised grievances would be forwarded to the assigned person to address the grievances.

Grievance Redressal Management System Process Flow

Grievance Redressal Management System
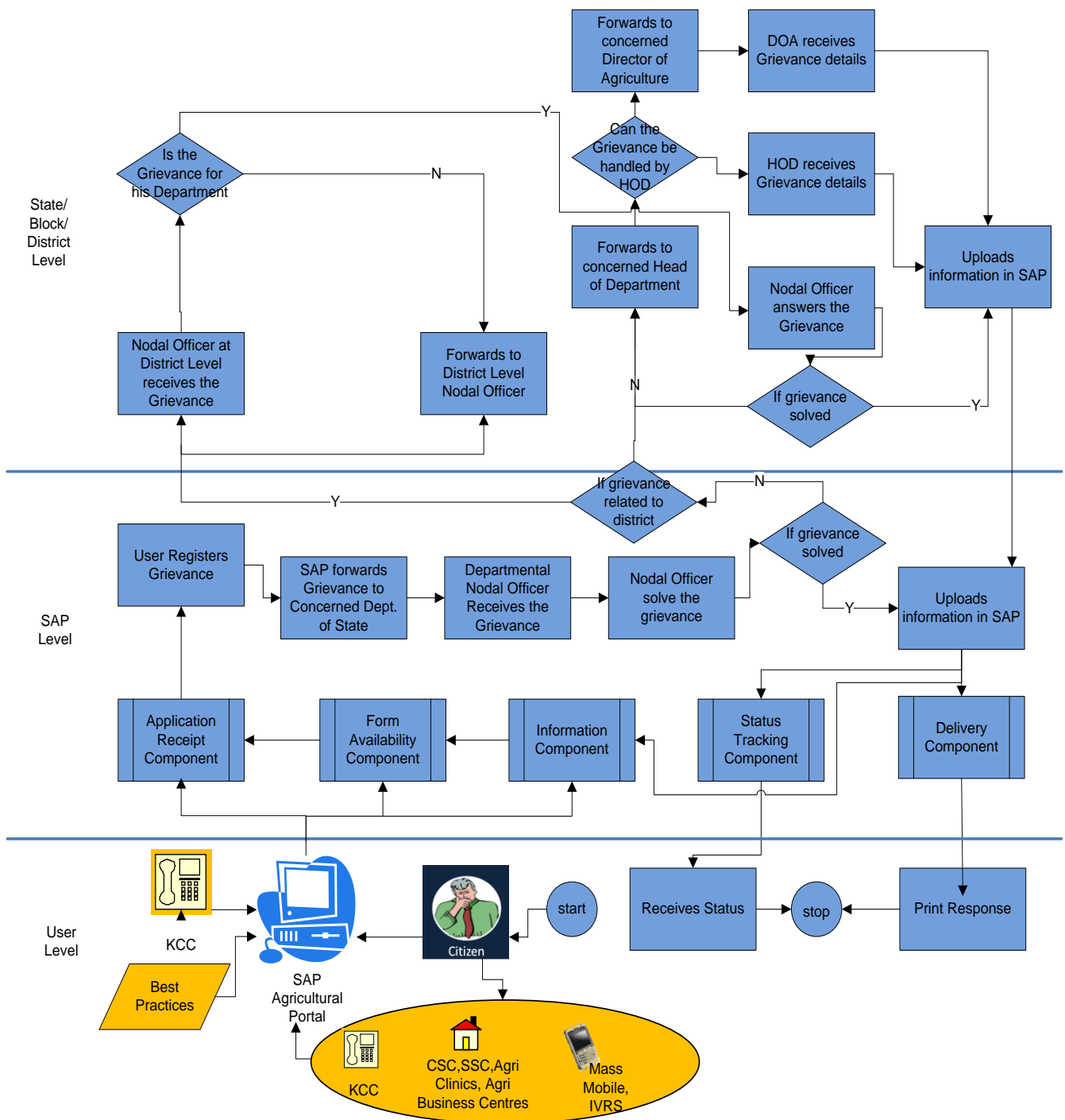
As per the above diagram, the User Registers a Grievance through the State Agricultural Portal.

From the State Agricultural Portal the Grievance is redirected to the Concerned Department of State. Departmental Nodal Officer receives the grievance and solve the grievance is possible and upload the information on SAP.
Nodal Officer of State will forward the grievance to Head of Department or Nodal officer of District, if grievance is related to the district. Nodal officer of district solve the grievance and upload the information on SAP.
If Nodal Officer can not solve the grievance within the time frame then the grievance will forward to the Head of Department at State level.
Head of Department of State will solve the grievance and upload the information if HOD can not solve the grievance within the time frame then the grievance will forward to Director of Marketing. Director of Marketing receives the grievance and upload the information on SAP.

The User can Login any time and check the Status of his or her Grievance. He or she will also receive an email notification and an SMS alert once the Grievance is answered.

The higher level officers will also obtain reports on the Status of the Grievances.

C. *Configurable but Repeated Modules are:*

a. *SMS Management*

Information with regard to status and result of the transporters, new facilities being provided, infrastructures etc., is proposed to be sent via mobile in the form of SMS to the registered retailers, buyers, farmers wherever required. The SMS management module would provide functionalities of registration of recipients for SMS, creation of scheduled tasks for auto SMS (e.g. current status of grievances), creation of transporters list, deletion from the transporters list, and availability of facilities to the traders, farmers nearest to their area.

b. *MIS Reports*

The MIS reports module would primarily be used by the senior officers to track and monitor the progress of various Market Yards, Mandis to identify and pinpoint areas that need to be improved operationally on a continuous basis. The officers would be able to set and select the input parameters and derive the results in the form of MIS reports for each of the individual Mandi/Market Yard.

c. *Content Search*

Three keywords that are continuously used synonymously with Agriculture MMP are localization, customization and personalization of information. This information therefore needs to be made searchable to the individual needs and conditions of the farmers. The content search module would facilitate this by providing functionalities of selection of inputs parameters for search and content display or download.

Some of the identified input parameters for content search are given below:

- Mandi Wise Profile details
- Area Wise Mandi Details
- Area Wise Transporters details
- Mandi Wise available facilities
- Area Wise Storage Godowns Availability
- Registered Farmers, dealers, traders Mobile Numbers
- Addresses and Contact Details of Market Yards

d. *Printing*

- The printing module is proposed to be a generic configurable module that would enable the users to print the information disseminated through search module, at any level.

2.5   Users

2.5.1   Users Characteristics

MIIS application will be primarily used by the traders, buyers, farmers, officials of Village Panchayats, Block Panchayats, District Panchayats, Marketing boards, State Agriculture Departments, Private and Government Institutions, agencies, dealers, Call Centers and Ministry of Agriculture. Apart from these users, some of the reports can be viewed by other Central Line Ministries/Departments and also the common man for the purpose of social audit.

The Government and Private Institutions Officials are being provided with basic working knowledge of computers under various capacity building programs, however they are not very familiar with computer based applications. It is being presumed that mandi staff, transporters, traders are also being provided with basic working knowledge of computers. Accordingly, the MIIS user interface should be intuitively designed so that it is fairly simple, easy to use and self-explanatory. The software should allow the users to switch-over to local language so that all the textual

elements are displayed in local language for better understanding and effective use. The State and Central Ministry's users are already working with computers and are fairly conversant with computer based applications.

The software will facilitate the farmers and the other users who are having any disability to read and understand the textual elements by receiving voice messages in their local language and the images related to the text mouse over.

2.5.2   Assumptions and Dependencies

Common features including Login, Logout, Forgot password, Change Password, User management, Print, Expert Advisory, Grievance Redressal System, Status tracking features etc. which will be used across all software applications as part of Mission Mode Project will be developed commonly and uniformly.

The availability of software applications with which MIIS would be interoperating will be crucial for smooth functioning of MIIS

It is assumed that the third party tools and applications software wherever required to fulfill the functionality of MIIS will be available on the machines where such features will be executed. These may include office tools for viewing the PDF and charts generated by the package. Further, a use case wise description of assumptions have been described, wherever applicable, as part of Functional Requirements in Chapter3.

Note: At a minimum Internet Explorer 6.0 + would be required on the client machines to access the software.

2.5.3   Acceptance Criteria

This SRS document will stand accepted once NIC accord a formal approval to this document.

3. SPECIFIC REQUIREMENTS

3.1 External Interface Requirements

3.1.1 User Interfaces

Web based Graphical User Interface (GUI) will be provided. Portal will be completely menu driven and user friendly. The GUI consists of the various Input forms, output screens along with the help files provided as per the requirement. The user interfaces need to be designed keeping in-line with the Usability requirements specified under Non-Functional Requirements.

3.1.2 Hardware Interfaces

MIIS does not envisage any specific external hardware interfaces. For updation of Mandi profile, transportation details or receiving SMS, hardware like mobile phone and network connection is required.

3.1.3 Software Interfaces

The software will interoperate with other software applications which are being developed under NeGP (A) Mission

Mode Project, in particular Central Agriculture Portal and State Agriculture Portal.

MIIS will interoperate with SAP to get information of the registered users on the SAP, their profiles and databases. It will display the status of registered traders on the SAP. It will also interoperate with the Registered Users Database to get the list of users and Central Agriculture Portal to access the centrally monitored applications.

Other interfaces are:

At Client End:
>	Base OS: Any Windows based operating system or any other system having graphical user interface based Operating System
>	Browser: Internet Explorer 6.0 or above, Mozilla Firefox, Google Chrome or Opera

At Server End:
>	Base OS – Will be decided later at the development stage
>	Framework - Will be decided later at the development stage
>	Technology Platform – Will be decided later at the development stage
>	Database - Will be decided later at the development stage
>	Browser – Internet Explorer 6.0 or above

3.1.4 Communications Interfaces

The Application will work on Local Area Network (LAN) or Internet also. Along with this, the system will inter act the SMS Gateway server to push SMS to different stakeholders and emails servers also to send the automated emails generated from the system to various stakeholders of the system

3.2 Software Product Features

The functional requirements of the proposed **MIIS (Marketing Infrastructure Information System)** are described below in terms of use cases. A use case may be defined as a particular activity that an actor can perform. An actor is a user with a specific role. The following table gives a brief description of each use case field in the use cases that follow:

Select Service

Overview: This activity enables the actor to select a service

Use Case ID:	An ID assigned to the use case for cross reference purposes eg., UC-14
Use Case Name:	A Name for the Use Case such as Add Package of Practice

Actors:	An actor is a role assumed by a user while using the use case. A role defines what activities the actor can perform in **the application**. Application will provide the following roles to its users:
	
	■ Secretary
	
	■ Director, Marketing
	
	      ■ Buyers/Traders
	
	      ■ Suppliers
	
	■ Central Administrator
	
	■ State Administrator

Description:	This section describes the use case in a few sentences that summarizes the interaction between the actor and the system.
Trigger:	This defines the action of the actor, which starts or triggers off the Use Case. A use case may be triggered by more than one action of the actor.
Pre conditions:	This section describes the state of the system, which is a pre-condition to starting the use case.
Post conditions:	This is a description of the state of the system after the successful completion of the use case.
Input:	This section describes the inputs to be required to generate the results.
Output:	This section describes the outcome of the specified inputs.
Normal Flow:	**Actor Actions** ■ The actor logs in to the Portal ■ The actor clicks on a link	**System Responses** ■ Select Service page opens with links to the services. ■ The URL of the service provider opens
Alternative Flow:	**Actor Actions** ■ The actor clicks Home ■ The actor clicks Logout	**System Responses** ■ Go to Portal Home Page ■ Logout of Portal
Exceptional Flow:	**Actor Actions** ■ Clicks link but the Service Provider's URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled	**System Responses** ■ Standard internet message for URL not found ■ Standard internet message for connection not found
Includes: other use case id	
UI: required/not required	Required
Priority: Low/medium/high	This section defines the priority of implementation of the use cases. Use cases have been assigned one of the three priorities: high, medium and low. These priorities are defined as follows: High – Medium – Low –

Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	Any business rules that need to incorporated as part of the use case at the time of implementation.
Special Requirements:	These are primarily nonfunctional requirements that are related to the use case and that need to be handled in subsequent stages such as analysis, design or implementation. For E.g. Rich Text Editor
Assumptions:	Any assumptions that are made about the environment such as hardware, software, network connectivity, user capabilities etc. in which the software is expected to operate and which are necessary for the successful execution of the use case.
Dependency:	This section defines the relationships that the use case has with other use cases. The relationships have been defined in terms of three types: **Extends** – This relationship means that the use case that is being described extends the functionality of the use cases that are listed under this heading. Invariably, the extended functionality is optional and the user may or may not use it. **Is Extended By** – Under this heading are listed the use cases that extend the functionality of this use case, implying that these use cases may be optionally executed while executing the current use case. **Uses** – This relationship means that the use case being described always uses the use case listed under this heading to complete its functionality.
Notes and Issues:	▪ This will not be part of Phase 1. ▪ .

Use Case Fields and their Descriptions

3.2.1 Common Use Cases

This sub-section describes the use cases, which would be available to the actor belonging to any role. Refer to Annexure ----- for a diagrammatic representation of the relationships between actor and use cases and among different use cases. The set of common use cases are:

Use Case Name	Purpose of the Use Case	Actor
Login	This use case will facilitate the SAP registered user to log on to the package and accessing privileged MIIS online applications	All Registered users
Log Out	This use case will facilitate the actor to come out from the running session of the application. The actor would be brought back to the MIIS home page.	Successfully logged in actors
Change Password	This use case will facilitate the actor to change the existing password of the MIIS application.	Successfully logged in actors
Switch Language	This use case will facilitate the actor to select the language, in which he/she desires to access application and specification of details.	Citizen/ successfully logged in actors
Attach File	This use case will facilitate the actor to attach/upload files/forms/scan copies of documents/photographs in the application wherever this use case is being called	Actors authorized to access applications of MIIS and uploading files.

Drop File	This use case will facilitate the actor to drop/download files/forms/scan copies of documents/photographs from the application wherever this use case is being called	Actors authorized to access applications of MIIS and downloading/dropping files.
Auto Trigger	This use case will provide a mechanism to the actor to generate auto triggers for sending SMS and Mails	System
Manual Trigger	This use case will facilitate the actor to generate triggers as and when a manual command is provided to send SMS/Mail	Actor working on the respective application
Publish	This use case will facilitate the actor to verify and publish the contents/saved information on the CAP/SAP/Home Page of the MIIS (Refer Common Use Case "Publish" from CAP)	Actor authorized to verify and publish contents on the portal
Un-publish	This use case will facilitate the actor to remove published contents from the Portal. The contents will restore the "saved" status and would be available for modification. (Refer Common Use Case "Publish" from CAP)	Actor authorized to un-freeze/ un-publish contents from the portal
Status Tracking	This use case will facilitate the actor to track status of the posted queries and grievances	All Citizen
Grievance Redressal	This use case will facilitate the actor to submit their grievances and getting them redressed from the concerned department (Refer Common Use Case "Publish" from CAP)	All Citizen

Note: The common use cases would be accessed through CAP and SAP SRS

3.2.2 Content Management System (Configurable Use Cases)

3.2.2.1 Manage Mandi Profile

3.2.2.1.1 MANAGING MANDI INFORMATION
Use Case Diagram:

Use Case Name	Purpose of the Use Case	Actor
Add **Mandi** Information	This use case will facilitate actor to specify general information of the Mandi, belonging to the State.	Actor with assigned responsibility to specify general information
Modify **Mandi** Information	This use case will facilitate actor to update the general information of any Mandi	Actor with assigned responsibility to specify/edit general information
View **Mandi** Information	This use case will facilitate actor to view general information	Actor with assigned responsibility to view general information

3.2.2.1.2 ADD MANDI INFORMATION

Use Case Field	Description
Use Case Name	**Add Mandi Information**
Context:	This use case will facilitate actor to specify general information of a new mandi being defined in the MIIS application for the belonging regional entity (Regional

	entity refers District/Block/State under which the Mandi resides)
Priority: Low/medium/high	High
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	APMC
Trigger	HomePage->Marketing Infrastructure Information System-> CMS->Managing Mandi Profile-> General Information-> Add General Information
Preconditions:	1. The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to Add New Mandi's General Information in the System.
Basic Flow	1. Type of the Mandi: System would prompt the actor to select Type of the Mandi i.e. Regulated/Un Regulated, which s(he) wishes to add in the system. 2. System would prompt the actor to specify following general details about the Mandi: a. Serial No/Mandi Code: System would auto generate the Mandi Code/Serial Number to uniquely identify the Mandi. b. Name of the Mandi: Actor would specify name of the Mandi being added in the System. **General Information** **Full Postal Address** c. Address1 and Address2 : Actor would specify address of Mandi d. City: Actor would select, name of the city under which the Mandi resides. e. PIN Code: Actor would specify Pin Code of the Mandi address. f. Email: Actor would specify email id being used for Mandi related communications g. STD Code and Telephone Number: Actor would be required to specify STD Code and telephone number of the Mandi office. h. Year of Establishment: Actor would select year of mandi establishment from the calendar being displayed or the actor could manually specify the year. i. Population Served (in numbers): Actor would specify number of population/workers in the Mandi. j. Geographical Area served by Mandi (Number of Villages): Actor would specify total number of villages being served by Mandi. **Administrative Details** a. Name of the Market Legislation: Actor would be required to specify Name of the Market Legislation b. Type of Legislation: The actor would select type of market legislation i.e. Elected/Nominated/Superseded APMC from the dropdown enlisting types. c. Number of commodities notified under regulation (if mandi type is regulated): Actor would specify number of the commodities which are notified under the regulation.

d. Name of the Chairman or Administrator (If market type is regulated): Actor would specify Name of the mandi chairman/administrator

e. Name of the Owner or Manager (If market type is un-regulated): Actor would specify Name of the mandi owner/manager

Full Communication Address of the Chairman or Administrator/Owner or Manager:

f. Address1 and Address2 : Actor would specify address of Administrator

g. City: City name would remain same as the mandi address so, system would auto display the city name, selected in "General Information".

h.   PIN Code: System would auto display the city pin code mention in Mandi's "General Information".

i. Email: Actor would specify official email id of the chairman/owner.

j. STD Code and Telephone Number: Actor would be required to specify STD Code and telephone number of the chairman's/owner's office.

Note: Chairman or Administrators/Owner or Manager will be displayed on the label according to the selected type regulated or un-regulated.

k. Name of Secretary: Actor would be required to specify Name of the Mandi Secretary.

Full Communication Address of the Secretary

l. Address1 and Address2 : Actor would specify address of the secretary

m. City: City name would remain same as the mandi address so, system would auto display the city name, selected in "General Information".

n.   PIN Code: System would auto display the city pin code mention in Mandi's "General Information".

o. Email: Actor would specify official email id of the chairman/owner.

p. STD Code and Telephone Number: Actor would be required to specify STD Code and telephone number of the secretary office.

q. Name of the Officer-In-Charge (OIC): Actor would be required to specify Name of the Mandi OIC.

Full Communication Address of the OIC

r. Address1 and Address2 : Actor would specify address of the OIC

s. City: City name would remain same as the mandi address so, system would auto display the city name, selected in "General Information".

t.   PIN Code: Actor would auto display the city pin code mention in Mandi's "General Information".

u. Email: Actor would specify official email id of the OIC.

v. STD Code and Telephone Number: Actor would be required to specify STD Code and telephone number of the OIC.

Staff Details

  a. Number of Permanent Employees (Supervisory): Actor would specify the number of permanent staff members on supervisory positions

  b. Number of Permanent Employees (Administrative): Actor would specify the number of permanent staff members on administrative positions

  c. Number of Temporary Employees (Supervisory): Actor would specify the number of temporary staff members on supervisory positions

  d. Number of Temporary Employees (Administrative): Actor would specify the number of temporary staff members on administrative positions

Other Details

  e. Market Holiday(s): System would prompt the actor to specify name of the market holiday. The actor could specify multiple holiday names by clicking on "Add More" link.

  f. Market Hours (in hh: mm): System would prompt the actor to specify working hours of the market.

Rail/Road Connectivity

  a. Name of nearest railway station from the market: Actor would specify the Name of nearest railway station from the market.

  b. Distance of station from the market(in Kms.): Actor would specify Distance of station from the market(in Kms.)

  c. Name of Nearest National/State Highway: Actor would specify Name of Nearest National/State Highway

Market Area

Actor would add following market area information:

  a. Notified area of Market Committee

  b. Subyard (If any) and It's exact location

  c. Farthest place in the hinterland

  d. Nearest place in the hinterland

  e. Number of Commodities notified under regulation

  f. Number of Cold Storages available

  g. Capacity of Cold Storages available

  h. Commodity Wise Processing Units in the market area

  i. Average daily dispatches to outside markets during the season

  j. Average daily dispatches to outside markets during the peak period

  k. Names of the traditional markets(important) to which the produce is sent

3. After specifying all the mandatory details, the actor could choose one of the following

links/buttons:

   a. Save: New Mandi is created and System displays the message "General Information   of Mandi has been saved successfully".

   b. Clear: The form details would be cleared without saving details in database.

   c. Close: The form would be closed and the System would return back to Pre Condition.

   d. Cancel: The system would respond with the message, "Would you like to discard the Mandi General Information?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre Condition. ; If the actor responds with No, the actor would be returned back to the Add General Information screen.

   e. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" General Information.

   f. Freeze & Publish: Saved/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" General Information.

Alternative Flow:	None

Post condition:	**1. . If the actor chooses to Save the information provided, and if all the mandatory fields have been entered, then**
	
	a. The System would respond with the message, "General Information of the Mandi <<Mandi Name>> is saved successfully". The actor would be brought back to Pre Condition.
	
	b. Mandi's General Information would be stored in the database.
	
	c. The saved details would be available to **Edit / Freeze & Publish / View/Print General Information** use cases.
	
	2. . If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then
	
	  a. The System would respond with the message, "General Information of the Mandi <<Mandi Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre Condition.
	
	  b. The Details would be available to UnFreeze /Un-Publish and View General Information use cases.
	
	3. . If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, the system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered.
	
	4. . 5. If the Actor chooses to Close, the system would clear the record of all information entered and would display the Main Menu Page.

Exceptions:	**The Actor attempts to "save/freeze & publish" without specifying any one of the mandatory fields** The system would respond with the message: "Please specify *<Mandatory Field Name>"*.

	For example, if the Actor does not enter Mandi Name, etc. the message displayed would be: "Please specify Mandi Name" **The Actor attempts to "save/freeze & publish" when Mandi with the same Name already exists is database.** The system would respond with the message: "Mandi Name already exists. Please specify another Mandi Name." **The Actor attempts to "save/freeze & publish" when Year of Establishment is not defined in yyyy format.** The system would respond with the message: "Please specify Year of Establishment in YYYY format"
Business Rules:	1. Following details are mandatory to specify: Type of the Mandi, Mandi Name. 2. Mandi Code and Mandi Name should be unique. 3. Year of Establishment should be defined manually in yyyy format. Otherwise, the system would facilitate to select year from the calendar being displayed. By default, today, month and year would be displayed in calendar. Post-dated entries/year should not be allowed to specify.
Relationships	**Extends** None **Is Extended By** Edit General Information Freeze & Publish **Uses** Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

3.2.2.1.3   EDIT MANDI INFORMATION

Use Case Field	Description
Use Case Name	**Edit Mandi Information**
Context:	This use case will facilitate actor to edit/modify general information of the existing mandi in the MIIS application belonging to the regional entity (Regional entity refers District/Block/State under which the Mandi resides)
Priority: **Low/medium/high**	Medium
Frequency: **Continuous/ frequent/ medium/ less/ rare**	Medium
Primary Actor:	APMC
Trigger	Home Page->Marketing Infrastructure Information System-> CMS->Managing Mandi Profile-> General Information-> Edit General Information
Preconditions:	The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to edit existing Mandi's General Information in the System.

Basic Flow	1. System would prompt the actor to select " Mandi" which s(he) wishes to edit.
	
	2. Depending on the selected Mandi Type, System would prompt the actor to select
	
	    Mandi Name from the drop down enlisting all the mandi's stored in database with
	
	    "saved" status. The actor may choose one of the Mandi Name, which (s)he wishes to

edit.

3. As the actor chooses Mandi Name, system would display all the General Information specified for that Mandi.

4. Serial Number/Mandi Code would be available in read only mode and actor would not be able to edit it.

5. Following general information related to Mandi would be available for editing:

General Information

Full Postal Address

    a. Mandi Name

    b. Address1 and Address2 : Actor would specify address of Mandi

    c. City: Actor would select, name of the city under which the Mandi resides.

    d. PIN Code: Actor would specify Pin Code of the Mandi address.

    e. Email: Actor would specify email id being used for Mandi related communications

    f. STD Code and Telephone Number: Actor would be required to specify STD Code and telephone number of the Mandi office.

    g. Year of Establishment: Actor would select year of mandi establishment from the calendar being displayed or the actor could manually specify the year.

    h. Population Served (in numbers): Actor would specify number of population/workers in the Mandi.

    i. Geographical Area served by Mandi (Number of Villages): Actor would specify total number of villages being served by Mandi.

Administrative Details

    a. Name of the Market Legislation: Actor would be required to specify Name of the Market Legislation

    b. Type of Legislation: The actor would select type of market legislation i.e. Elected/Nominated/Superseded APMC from the dropdown enlisting types.

    c. Number of commodities notified under regulation (if mandi type is regulated): Actor would specify number of the commodities which are notified under the regulation.

    d. Name of the Chairman or Administrator (If market type is regulated): Actor would specify Name of the mandi chairman/administrator

    e. Name of the Owner or Manager (If market type is un-regulated): Actor would specify Name of the mandi owner/manager

Full Communication Address of the Chairman or Administrator/Owner or Manager:

    a. Address1 and Address2 : Actor would specify address of Administrator

    b. City: City name would remain same as the mandi address so, system would

	auto display the city name, selected in "General Information".

c. PIN Code: System would auto display the city pin code mention in Mandi's "General Information".

d. Email: Actor would specify official email id of the chairman/owner.

e. STD Code and Telephone Number: Actor would be required to specify STD Code and telephone number of the chairman's/owner's office.

f. Note: Chairman or Administrators/Owner or Manager will be displayed on the label according to the selected type regulated or un-regulated.

g. Name of Secretary: Actor would be required to specify Name of the Mandi Secretary.

Full Communication Address of the Secretary

a. Address1 and Address2 : Actor would specify address of the secretary

b. City: City name would remain same as the mandi address so, system would auto display the city name, selected in "General Information".

c. PIN Code: System would auto display the city pin code mention in Mandi's "General Information".

d. Email: Actor would specify official email id of the chairman/owner.

e. STD Code and Telephone Number: Actor would be required to specify STD Code and telephone number of the secretary office.

f. Name of the Officer-In-Charge (OIC): Actor would be required to specify Name of the Mandi OIC.

Full Communication Address of the OIC

a. Address1 and Address2 : Actor would specify address of the OIC

b. City: City name would remain same as the mandi address so, system would auto display the city name, selected in "General Information".

c. PIN Code: Actor would auto display the city pin code mention in Mandi's "General Information".

d. Email: Actor would specify official email id of the OIC.

e. STD Code and Telephone Number: Actor would be required to specify STD Code and telephone number of the OIC.

Staff Details

a. Number of Permanent Employees (Supervisory): Actor would specify the number of permanent staff members on supervisory positions

b. Number of Permanent Employees (Administrative): Actor would specify the number of permanent staff members on administrative positions

c. Number of Temporary Employees (Supervisory): Actor would specify the number of temporary staff members on supervisory positions

d. Number of Temporary Employees (Administrative): Actor would specify the number of temporary staff members on administrative positions

Other Details

a. Market Holiday(s): System would prompt the actor to specify name of the market holiday. The actor could specify multiple holiday names by clicking on "Add More" link.

b. Market Hours (in hh: mm): System would prompt the actor to specify working hours of the market.

Rail/Road Connectivity

a. Name of nearest railway station from the market: Actor would specify the Name of nearest railway station from the market.

b. Distance of station from the market(in Kms.): Actor would specify Distance of station from the market(in Kms.)

c. Name of Nearest National/State Highway: Actor would specify Name of Nearest National/State Highway

Market Area

Actor would add following market area information:

a. Notified area of Market Committee

b. Subyard (If any) and It's exact location

c. Farthest place in the hinterland

d. Nearest place in the hinterland

e. Number of Commodities notified under regulation

f. Number of Cold Storages available

g. Capacity of Cold Storages available

h. Commodity Wise Processing Units in the market area

i. Average daily dispatches to outside markets during the season

j. Average daily dispatches to outside markets during the peak period

k. Names of the traditional markets(important) to which the produce is sent

6. After specifying all the mandatory details, the actor could choose one of the following links/buttons:

a. Update: Edited General Information would be saved and System displays the message "General Information of Mandi has been updated successfully".

b. Clear: The form details would be cleared without saving details in database.

c. Close: The form would be closed and the System would return back to Pre Condition.

	d. Cancel: The system would respond with the message, "Would you like to discard the Mandi General Information?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre Condition. ; If the actor responds with No, the actor would be returned back to the Add General Information screen.
	e. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" General Information.
	f. Freeze & Publish: Updated/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" General Information.
Alternative Flow:	None
Post condition:	1. **If the actor chooses to Update the information provided, and if all the mandatory fields have been entered, then** a. The System would respond with the message, "General Information of the Mandi <<Mandi Name>> is updated successfully". The actor would be brought back to Pre Condition. b. Mandi's General Information would be stored in the database. c. The updated details would be available to **Edit / Freeze & Publish / View/Print General Information** use cases. 2. **If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then** d. The System would respond with the message, "General Information of the Mandi <<Mandi Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre Condition. e. The Details would be available to Un-Freeze /Un-Publish and View General Information use cases. 3. **If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered.** 4. **If the Actor chooses to close, system would clear the record of all information entered and would display the Main Menu Page.**
Exceptions:	**Actor attempts to select Edit General Information link when there is no Mandi exist under any mandi type with saved details.** The system would respond with the message: "No Mandi, available for editing General Information" **The actor selects type of the mandi, but no mandi exists with the saved general information.** The system would respond with the message: "No record found under selected mandi type"

	The Actor attempts to "update/freeze & publish" without specifying any one of the mandatory fields The system would respond with the message: "Please specify *<Mandatory Field Name>"*. For example, if the Actor does not enter Mandi Name, etc. the message displayed would be: "Please specify Mandi Name" **The Actor attempts to "update/freeze & publish" when Mandi with the same Name already exists is database.** The system would respond with the message: "Mandi Name already exists. Please specify another Mandi Name." **The Actor attempts to "update/freeze & publish" when Year of Establishment is not defined in yyyy format.** The system would respond with the message: "Please specify Year of Establishment in YYYY format"
Business Rules:	1. Following details are mandatory to specify: Type of the Mandi, Mandi Name. 2. Mandi Name should be unique. 3. Year of Establishment should be defined manually in yyyy format. Otherwise, the system would facilitate to select year from the calendar being displayed. By default, today, month and year would be displayed in calendar. Post-dated entries/year should not be allowed to specify.
Relationships	**Extends** None **Is Extended By** Edit General Information Freeze & Publish **Uses** Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

3.2.2.1.4   VIEW MANDI INFORMATION

Use Case Field	Description
Use Case Name	**View Mandi Information**
Context:	This use case will facilitate actor to view saved/freeze mandi details in the MIIS application.
Priority: Low/medium/high	Medium
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	All Internal Users/Actor with the assigned responsibility to view Mandi details /Citizen/Registered Users.
Trigger	HomePage->Marketing Infrastructure Information System-> CMS->Managing Mandi Profile-> General Information-> View General Information
Preconditions:	The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to view stored Mandi's General Information in MIIS.
Basic Flow	1. System would prompt the actor to select "State" District" and " Mandi Name"

which s(he) wishes to view.

2. Depending on the selected criteria, System would enlist all saved and published records of Mandi Profile with the following details:

General Information
1. City
2. Full Postal Address
3. Email
4. Telephone No. with STD Code
5. Year of Establishment
6. Population Served
7. Geographical area served by Market (No. of village etc.

Administration Information:
1. Regulated/ Unregulated
2. Year of Regulation
3. Name of the Market Legislation
4. Whether Elected/Nominated/Superseded APMC
5. Chairman/Administrator Details
   a. Name of Chairman/Administrator
   b. Address of Chairman/Administrator
   c. Telephone No. of Chairman/Administrator
6. Secretary Details:
   a. Name of Secretary
   b. Address of Secretary
   c. Telephone No. of Secretary
7. Officer-in-Charge of Market Information Details:
   a. Name of Officer-in-Charge of Market Information
   b. Address of Officer-in-Charge of Market Information
   c. Telephone No. of Officer-in-Charge of Market Information
8. If Unregulated, Name of Owner and Management
9. Staff Details
   a. Supervisory
      i. No. of Permanent
      ii. No. of Temporary
   b. Administrative
      i. No. of Permanent
      ii. No. of Temporary

Road/Rail Connectivity Information:
1. Name of the nearest railway station
2. Distance of the railway station from the market(in Kms)
3. Name of the Nearest National /State Highway

Market Area Information:
1. Notified area of Market Committee
2. Subyard (If any) and It's exact location
3. Farthest place in the Hinterland
4. Nearest place in the Hinterland
5. Commodity Wise Processing Units in the Market area
6. Number of Cold Storages available
7. Capacity of Cold Storages available
8. Number of Commodities notified under regulation
9. Average daily dispatches to outside markets during the season

10. Average daily dispatches to outside markets during the peak period
11. Names of traditional markets(important) to which produce is sent

Commodity

    a. Name of Commodity
    b. Season (From-To)
    c. Peak Season (From-To)
    d. Throughout Season (In MT)
        i. Average Daily Arrivals
        ii. Maximum Daily Arrivals
        iii. Minimum Daily Arrivals
    e. Unit of price (Quintal, Kg etc)
    f. Standard Filling of Pack size (Kg bag etc.)
    g. Annual Production (in MT)
    h. Total Annual Arrivals for past 3 years(in MT)

Market Functionaries Information:
2. No. of Licensed Wholesale and Other Functionaries of all categories including Cooperatives:
    a. Traders
    b. Hammal
    c. Tulwati
    d. Commision Agent
    e. Broker
    f. Process
    g. Warehouse
3. Time at which sale begins in the market
4. Peak trading hours
5. Time at which sale ends in the market
6. Whether produce is cleaned/graded before sale
7. Accepted grade in the market
8. Farmer level grading in practice
9. Are there quality disputes?
10. How are quality disputes settled?

Transactional Methods Information:
1. System of sale(if different for commodities please clarify)
2. System of weighment
3. System of payment
4. Degree of transparency on method of Sale, Weighment and Payment
5. Transactional Disputes and Redressal Mechanism

Storage Information:
1. Storage facilities available in the market with trade as well as APMC
2. Availability of Ripening Chambers if available
    a. Number
    b. Capacity

Facilities and Services Information:
1. Information Notice Board/Electric Display Board
2. Public Address System
3. Are the prices displayed on the Notice Board
4. Are the producers able to read the information displayed on The Notice Board

5. Availability Of:
   a. Canteen
   b. Restaurant
   c. Toilets
   d. Internal Roads
   e. Parking
   f. Fencing
   g. Post Office
   h. Bank
   i. Input/Sundry Shops
   j. Fire Extinguishers
   k. Rest house for farmers
   l. Drinking Water
   m. Electricity
   n. Auction Platform
   o. Grading and Analysing Laboratory
   p. Mechanical Graders
   q. Sieves
   r. Garbage Disposal System
   s. Sweeping Facilities
   t. Information Unit
   u. Extension Unit
   v. Audio Visual side
   w. Market office building
6. Name of Welfare scheme for producers

Market Charges Information:
1. Commission
2. Market Fee
3. Weighmen
4. Brokerage
5. Charity
6. Trade Allowance
7. Octroi
8. Sales Tax
9. Other Taxes/Levies
10. Other Charges

Financial Position Information:
1. Annual Income
2. Annual Expenditure
3. Surplus/Deficit
4. Total Reserves with APMC on 31st March
5. Total Liabilities (loan etc.)with APMC on 31st March

3. The actor may select one record to view. If there is only one record comprising General Information, System will directly show the information to view.

4. After selecting record, the actor could choose one of the following links/buttons:

5. View: Details specified for the selected record would be displayed.

6. Print: Actor may print the display information using this link (Refer common use

	case Print)
	7. Clear: The selected record would be cleared without displaying any information.
	8. Close: The form would be closed and the System would return back to Pre Condition.
Alternative Flow:	None
Post condition:	1. **All details specified for the selected Mandi's "General Information" would be displayed and could be printed out.** 2. **If the Actor chooses to close, system would clear all selected record(s) and would display the Main Menu Page.**
Exceptions:	**The Actor attempts to "view" without selecting any record** The system would respond with the message: "Please select at least one record to details" **The Actor attempts to click on the link General Information->"view" when there is no saved/freeze record specified under any mandi type in the system.** The system would respond with the message: "No record available for viewing" **Actor attempts to select Mandi Type, but no record available.** The system would respond with the message: "No record available for viewing"
Business Rules:	At least one record is mandatory to select.
Relationships	**Extends** MIIS Main Menu Page **Is Extended By** None **Uses** Login
Special Requirements:	None
Assumptions:	None
Unresolved Issues:	None

3.2.2.1.5 FREEZE & PUBLISH GENERAL INFORMATION

Use Case Field	Description
Use Case Name	**Freeze & Publish General Information**
Context:	This use case will facilitate actor to confirm and publish general information of the saved mandi details in the MIIS application.
Priority: Low/medium/high	Medium
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	APMC
Trigger	HomePage->Marketing Infrastructure Information System-> CMS->Managing Mandi Profile-> General Information-> Freeze & Publish General Information
Preconditions:	The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to freeze and publish existing Mandi's General Information on the portal.
Basic Flow	1. System would prompt the actor to select "Type of the Mandi" which s(he) wishes to view. 2. Depending on the selected Mandi Type, System would enlist all the saved/un-publish records of Mandi General Information displaying Sr.No/Mandi Code, Mandi Name and Status "saved". Mandi Name would be provided as hyperlink, so that the actor could

view the saved general information to verify.

3. The actor may select one or multiple records to freeze and publish. If there is only one record comprising General Information, System will directly show the information to view, freeze & publish.

4. After selecting record, the actor could choose one of the following links/buttons:

   a. Freeze & Publish: Saved General Information would be frozen and System displays the message "General Information of Mandi <<Mandi Name>> has been frozen and published successfully".

   b. Clear: The selected record(s) would be cleared without freezing details in database.

   c. Close: The form would be closed and the System would return back to Pre-Condition.

   d. Cancel: The system would respond with the message, "Would you like to discard the selected records for freezing and publishing?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre-Condition. ; If the actor responds with No, the actor would be returned back to the Freeze & Publish General Information screen.

Alternative Flow:	None

Post condition:	1. **If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then**
	  a. The System would respond with the message, "General Information of the Mandi <<Mandi Name>> is frozen and published successfully". The actor would be brought back to Pre -Condition.
	  b. Mandi's General Information would be displayed on the SAP and the MIIS Home Page.
	  c. The freeze details would be available to **Un-freeze/ Un-publish General Information**.
	2. **If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered.**
	3. **If the Actor chooses to close, system would clear all selected record(s) and would display the Main Menu Page.**

Exceptions:	**The Actor attempts to "freeze & publish" without selecting any record**
	
	  The system would respond with the message:
	
	  "Please select at least one record to freeze and publish"
	
	The Actor attempts to click on the link General Information->"freeze & publish" when there is no saved/updated record available for freezing and publishing.
	
	  The system would respond with the message: "No saved record exists for freezing and publishing"

Business Rules:	At least one record is mandatory to select.

Relationships	**Extends**
	Add/Edit General Information
	Is Extended By
	None
	Uses
	Login
Special Requirements:	None
Assumptions:	None
Unresolved Issues:	None

3.2.2.1.6   Un-freeze/Un-Publish General Information

Use Case Field	Description
Use Case Name	**Un-Freeze/Un-Publish General Information**
Context:	This use case will facilitate actor to un-publish, the published general information of mandi.
Priority: Low/medium/high	Medium
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	APMC
Trigger	HomePage->Marketing Infrastructure Information System-> CMS->Managing Mandi Profile-> General Information-> Un-freeze & Un-Publish General Information
Preconditions:	The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to un-publish the published Mandi's General Information from the portal.
Basic Flow	1. System would prompt the actor to select "Type of the Mandi" which s(he) wishes to view.
	2. Depending on the selected mandi type, System would enlist all the published records of Mandi General Information displaying Sr.No/Mandi Code, Mandi Name and Status "published". Mandi Name would be provided as hyperlink, so that the actor could view the published general information to verify.
	3. The actor may select one or multiple records to Un-publish. If there is only one mandi record comprising published General Information, System will directly show the information to view & Un-publish.
	4. After selecting record, the actor could choose one of the following links/buttons:
	5. Un-Freeze/Un-Publish: Published General Information would be Un-freeze and System displays the message "General Information of Mandi <<Mandi Name>> has been un-published successfully".
	6. Clear: The selected record(s) would be cleared without un-freezing and un- publishing details in database.
	7. Close: The form would be closed and the System would return back to Pre- Condition.
	8. Cancel: The system would respond with the message, "Would you like to discard the selected records for un-freezing and un-publishing?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre-Condition. ; If the actor responds with No, the actor would be returned back to the Un-Freeze & Un-Publish General Information screen.
Alternative Flow:	None

Post condition:	1. **If the actor chooses to Un-Publish the information provided, and if all the mandatory fields have been entered, then** a. The System would respond with the message, "General Information of the Mandi <<Mandi Name>> is un-freeze and un-published successfully". The actor would be brought back to Pre- Condition. b. Un-published Mandi's General Information would not be displayed on the SAP and the MIIS Home Page. c. The un-freeze details would be available to **Freeze & Publish/ Edit General Information** use case(s) for their respective activities. 2. **If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered.** 3. **If the Actor chooses to close, system would clear all selected record(s) and would display the Main Menu Page.**
Exceptions:	**The Actor attempts to "un-freeze &un- publish" without selecting any record** The system would respond with the message: "Please select at least one record to un-freeze & un-publish" **The Actor attempts to click on the link General Information->"un-freeze & un-publish" when there is no freeze and published record available for un-freezing & un- publishing.** The system would respond with the message: "No published record exists for un-freezing and un-publishing"
Business Rules:	At least one record is mandatory to select.
Relationships	**Extends** None **Is Extended By** Freeze & Publish General Information **Uses** Login
Special Requirements:	None
Assumptions:	None
Unresolved Issues:	None

3.2.2.1.7 ADD COMMODITY

Use Case Field	Description
Use Case Name	**Add Commodity**
Context:	This use case will facilitate actor to specify season for the new commodity arrival and dispatch from the mandi, for which general information has been specified in the MIIS application.
Priority: Low/medium/high	High
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	APMC
Trigger	HomePage->Marketing Infrastructure Information System-> CMS->Managing Mandi Profile-> Defining Commodities-> Add Commodity.
Preconditions:	1. The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to add commodities wise season for their arrival and dispatches in the System.

	2. Mandi's general information must have been "saved/freeze" in the system.
Basic Flow	1. System would prompt the actor to select Type of the Mandi, belonging to which the actor wishes to specify season details.
	2. Depending on the selected mandi type, system would prompt the actor to select Name of the Mandi from the drop down enlisting names of the mandi's stored with the general information.
	3. As the actor selects Mandi Name, following details would be displayed in read only mode:
	a. Type of the Mandi
	b. Serial No/Mandi Code
	c. Name of the Mandi
	d. Year of Regulation
	4. Actor would be required to specify following commodity details
	a. Name of the Commodity: System would prompt the actor to select name of the commodity from the drop down enlisting all the commodities specified for the selected Mandi.
	b. Arrival Starts (Month): System would prompt the actor to select start month for the selected commodity arrival in the mandi, from the drop down enlisting 12 months January to December.
	c. Peak Arrivals (Month): System would prompt the actor to select month during which the selected commodity arrival in the mandi is on peak, from the drop down enlisting 12 months January to December.
	d. Arrival Ends (Month): System would prompt the actor to select last month for the selected commodity arrival in the mandi, from the drop down enlisting 12 months January to December.
	e. Average daily dispatches to outside market during the season (in Tons/Metric Tons): System would prompt the actor to specify average number of dispatches (for the selected commodity) going outside market every day.
	f. Average daily dispatches to outside market during the peak months (in Tons/Metric Tons): System would prompt the actor to specify average number of dispatches (for the selected commodity) going outside market every day during peak months.
	g. Name of the Processing Unit: System would prompt the actor to specify name of the processing unit for the selected commodity.
	h. Name of the major Traditional Markets to which produced Commodity is sent: System would prompt the actor to specify names of the major markets.
	i. Weather produce is cleaned/graded before sale (Yes/No): System would prompt the actor to select weather the produce is cleaned/graded before sale or not in the

Mandi.

    j. The actor could specify season details for multiple commodities using "Add More" link.

5. After specifying all the mandatory details, the actor could choose one of the following links/buttons:

    a. Save: Added details are saved and System displays the message "Season Details of Commodities for the Mandi has been saved successfully".

    b. Clear: The form details would be cleared without saving details in database.

    c. Close: The form would be closed and the System would return back to Pre-Condition.

    d. Cancel: The system would respond with the message, "Would you like to discard the Mandi Commodity Details?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre- Condition. ; If the actor responds with No, the actor would be returned back to the Add Commodity Season screen.

    e. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" Commodity Season.

    f. Freeze & Publish: Saved/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" Details.

Alternative Flow:	None

Post condition:	1. If the actor chooses to Save information provided, and if all the mandatory fields have been entered, then
	
	a. The System would respond with the message, "Commodity Season of the Mandi <<Mandi Name>> is saved successfully". The actor would be brought back to Pre-Condition.
	
	b. Mandi's Commodity Seasons Details would be stored in the database.
	
	c. The saved details would be available to **Edit / Freeze & Publish / View/Print Commodity Season** use cases.
	
	2. If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then
	
	   a. The System would respond with the message, "Commodity Season Details of the Mandi <<Mandi Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre- Condition.
	
	   b. The Details would be available to UnFreeze /Un-Publish and View Commodity Season use cases.
	
	3. If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, the system would clear all information entered and

	bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered. 4. If the Actor chooses to close, the system would clear the record of all information entered and would display the Main Menu Page.
Exceptions:	**The Actor attempts to "save/freeze & publish" without specifying any one of the mandatory fields** The system would respond with the message: "Please specify *<Mandatory Field Name>".* For example, if the Actor does not enter Mandi Type, Mandi Name, Commodity Name, Arrival Start (Month), Arrival Peak (Month) and Arrival End (Month). the message displayed would be: "Please select Mandi Type" "Please specify Mandi Name" "Please select Commodity" "Please select Arrival Starts (Month)" "Please select Arrival Peak (Month)" "Please select Arrival Ends (Month)" **Actor attempts to select Add commodity season link when there is no Mandi exist under any mandi type with saved/freeze general information.** The system would respond with the message: "No Mandi, available for specifying commodity's season" **The actor selects mandi type, but no mandi exists with the saved general information.** The system would respond with the message: "No record found under selected mandi type" **The actor selects mandi type, but no commodity specified in the commodity master.** The system would respond with the message: "Please define at least one commodity in the master for specifying season's detail"
Business Rules:	1. Following details are mandatory to specify: Type of Mandi, Mandi Name, Commodity Name, Arrival Starts Month, Arrival Peaks Month and Arrival ends month. 2. Commodity must be defined in commodity master 3. Selected month for peak arrival must be greater than the arrival starts month. 4. Selected month for arrival end must be greater than the peak arrival month. 5. Months would be enlisted from a pre- defined table in database
Relationships	**Extends** None **Is Extended By** Edit Commodity Season Freeze & Publish **Uses** Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None

Unresolved Issues:	None

3.2.2.1.8   EDIT COMMODITY

Use Case Field	Description
Use Case Name	**Edit Commodity**
Context:	This use case will facilitate actor to edit commodity details for the existing commodity's arrival and dispatch from the mandi, stored in database with "saved" status.
Priority: Low/medium/high	High
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	APMC
Trigger	HomePage->Marketing Infrastructure Information System-> CMS->Managing Mandi Profile-> Defining Commodities-> Edit Commodity.
Preconditions:	1. The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to edit commodities wise season for their arrival and dispatches in the System. 2. Mandi's commodity season details must be "saved" in the system.
Basic Flow	1. System would prompt the actor to select Type of the Mandi, belonging to which actor wishes to update season details. 2. Depending on the selected mandi type, system would prompt the actor to select Name of the Mandi from the drop down enlisting names of the mandi's stored with the saved commodity season details. 3. As the actor selects Mandi Name, following details would be displayed in read only mode: a. Type of the Mandi b. Serial No/Mandi Code c. Name of the Mandi d. Year of Regulation 4. Actor may (re)specify following commodity wise season details e. Name of the Commodity: System would prompt the actor to (re)select name of the commodity from the drop down enlisting all the commodities specified for the selected Mandi. f. Arrival Starts (Month): System would prompt the actor to (re)select start month for the selected commodity arrival in the mandi, from the drop down enlisting 12 months January to December. g. Peak Arrivals (Month): System would prompt the actor to (re)select month during which the selected commodity arrival in the mandi is on peak, from the drop down enlisting 12 months January to December. k. Arrival Ends (Month): System would prompt the actor to (re)select last month for the selected commodity arrival in the mandi, from the drop down enlisting 12 months January to December. l. Average daily dispatches to outside market during the season (in Tons/Metric

Tons): System would prompt the actor to (re)specify average number of dispatches going outside market every day.

m. Average daily dispatches to outside market during the peak months (in Tons/Metric Tons): System would prompt the actor to (re)specify average number of dispatches going outside market every day during peak months.

n. Name of the Processing Unit: System would prompt the actor to (re)specify name of the processing unit for the selected commodity.

o. Name of the major Traditional Markets to which produced Commodity is sent: System would prompt the actor to (re)specify names of the major markets.

p. Weather produce is cleaned/graded before sale (Yes/No): System would prompt the actor to (re)select weather the produce is cleaned/graded before sale or not in the Mandi.

h. The actor could specify season details for multiple commodities using "Add More" link under selected Mandi Name.

5. After updating all the mandatory details, actor could choose one of the following links/buttons:

a. Update: Edited details are saved and System displays the message "Season Details of Commodities for the Mandi has been updated successfully".

b. Clear: The form details would be cleared without saving details in database.

c. Close: The form would be closed and the System would return back to Pre-Condition.

d. Cancel: The system would respond with the message, "Would you like to discard the Mandi Commodity Details?" If the actor responds with Yes, then updated details would be lost and the System would return back to Pre- Condition. ; If the actor responds with No, the actor would be returned back to the Edit Commodity Season screen.

e. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" Commodity Season.

f. Freeze & Publish: Saved/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" Details.

Alternative Flow:	None
Post condition:	1. If the actor chooses to Update information provided, and if all the mandatory fields have been entered, then
	a. The System would respond with the message, "Commodity Season of the Mandi <<Mandi Name>> is updated successfully". The actor would be brought back to Pre- Condition.
	b. Mandi's Commodity Seasons Details would be stored in the database.

	c. The updated details would be available to **Edit / Freeze & Publish / View/Print Commodity Season** use cases.
	2. If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then
	a. The System would respond with the message, "Commodity Season Details of the Mandi <<Mandi Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre- Condition.
	b. The Details would be available to UnFreeze /Un-Publish and View Commodity Season use cases.
	3. If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, the system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered.
	4. If the Actor chooses to close, the system would clear the record of all information entered and would display the Main Menu Page.
Exceptions:	**The Actor attempts to "update/freeze & publish" without specifying any one of the mandatory fields**
	The system would respond with the message:
	"Please specify *<Mandatory Field Name>"*.
	For example, if the Actor does not enter Mandi Type, Mandi Name, Commodity Name, Arrival Start (Month), Arrival Peak (Month) and Arrival End (Month).
	the message displayed would be:
	"Please select Mandi Type"
	"Please specify Mandi Name"
	"Please select Commodity"
	"Please select Arrival Starts (Month)"
	"Please select Arrival Peak (Month)"
	"Please select Arrival Ends (Month)"
	Actor attempts to select Edit commodity season link when there is no Mandi exist under any mandi type with saved commodity season details.
	The system would respond with the message: "No Mandi, available for specifying commodity's season"
	The actor selects mandi type, but no mandi exists with saved commodity season details.
	The system would respond with the message: "No record found under selected mandi type"
	The actor selects mandi type, but no commodity specified in the commodity master.

	The system would respond with the message: "Please define at least one commodity in the master for specifying season's detail"
Business Rules:	1. Following details are mandatory to specify: Type of Mandi, Mandi Name, Commodity Name, Arrival Starts Month, Arrival Peaks Month and Arrival ends month. 2. Commodity must be defined in commodity master 3. Selected month for peak arrival must be greater than the arrival starts month. 4. Selected month for arrival end must be greater than the peak arrival month. 5. Months would be enlisted from a pre- defined table in database
Relationships	**Extends** None **Is Extended By** Edit Commodity Season Freeze & Publish **Uses** Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

3.2.2.1.9 ADD MARKET FUNCTIONARY

Use Case Field	Description
Use Case Name	**Add Market Functionary**
Context:	This use case will facilitate actor to specify Market Functionary of the mandi, for which general information has been specified in the MIIS application.
Priority: Low/medium/high	High
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	APMC
Trigger	HomePage->Marketing Infrastructure Information System-> CMS->Managing Mandi Profile-> Defining Market Functionary-> Add Market Functionary.
Preconditions:	1. The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to add Market Functionary for their arrival and dispatches in the System. 2. Mandi's general information must have been "saved/freeze" in the system.

Basic Flow	1. System would prompt the actor to select Type of the Mandi, belonging to which the actor wishes to specify season details.
	
	2. Depending on the selected mandi type, system would prompt the actor to select Name of the Mandi from the drop down enlisting names of the mandi's stored with the general information.
	
	3. As the actor selects Mandi Name, following details would be displayed in read only mode:
	
	    a. Type of the Mandi
	
	    b. Serial No/Mandi Code
	
	    c. Name of the Mandi
	
	    d. Year of Regulation
	
	4. Actor would be required to specify following Market Functionary details
	
	    a. Name of Functionary

	b. Number of functionaries
	c. License Fee
	d. Number of Years
	5. After specifying all the mandatory details, the actor could choose one of the following links/buttons:
	a. Save: Added details are saved and System displays the message "S Market Functionary of the Mandi has been saved successfully".
	b. Clear: The form details would be cleared without saving details in database.
	c. Close: The form would be closed and the System would return back to Pre-Condition.
	d. Cancel: The system would respond with the message, "Would you like to discard the Mandi Market Functionary Details?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre- Condition. ; If the actor responds with No, the actor would be returned back to the Add Commodity Season screen.
	e. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" Market Functionary.
	f. Freeze & Publish: Saved/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" Details.
Alternative Flow:	None
Post condition:	1. If the actor chooses to Save information provided, and if all the mandatory fields have been entered, then
	a. The System would respond with the message, "Market Functionary of the Mandi <<Mandi Name>> is saved successfully". The actor would be brought back to Pre- Condition.
	b. Mandi's Market Functionary Details would be stored in the database.
	c. The saved details would be available to **Edit / Freeze & Publish / View/Print** Market Functionary use cases.
	2. If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then
	c. The System would respond with the message, "Market Functionary Details of the Mandi <<Mandi Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre- Condition.
	d. The Details would be available to UnFreeze /Un-Publish and View Commodity Season use cases.
	3. If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, the system would clear all information entered and

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	bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered. 4. If the Actor chooses to close, the system would clear the record of all information entered and would display the Main Menu Page.
Exceptions:	**The Actor attempts to "save/freeze & publish" without specifying any one of the mandatory fields** The system would respond with the message: "Please specify *<Mandatory Field Name>".* **Actor attempts to select Add Market Functionary link when there is no Mandi exist under any mandi type with saved/freeze general information.** The system would respond with the message: "No Mandi, available for specifying Market Functionary" **The actor selects mandi type, but no mandi exists with the saved general information.** The system would respond with the message: "No record found under selected mandi type"
Business Rules:	1. Following details are mandatory to specify: Type of Mandi, Mandi Name, Name of Functionary, Number of functionaries, License Fee, Number of Years. 2. Market Functionary must be defined in Market Functionary master 3. Months would be enlisted from a pre- defined table in database
Relationships	**Extends** None **Is Extended By** Edit Market Functionary Freeze & Publish **Uses** Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

3.2.2.1.10 EDIT MARKET FUNCTIONARY

Use Case Field	Description
Use Case Name	**Edit Market Functionary**
Context:	This use case will facilitate actor to edit Market Functionary details for the existing Market Functionary's of the mandi, stored in database with "saved" status.
Priority: Low/medium/high	High
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	APMC
Trigger	HomePage->Marketing Infrastructure Information System-> CMS->Managing Mandi Profile-> Defining Market Functionary -> Edit Market Functionary.
Preconditions:	1. The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to edit Market Functionary in the System. 2. Mandi's Market Functionary details must be "saved" in the system.

Basic Flow	1. System would prompt the actor to select Type of the Mandi, belonging to which actor wishes to update season details.
	2. Depending on the selected mandi type, system would prompt the actor to select Name of the Mandi from the drop down enlisting names of the mandi's stored with the saved Market Functionary details.
	3. As the actor selects Mandi Name, following details would be displayed in read only mode:
	a. Type of the Mandi
	b. Serial No/Mandi Code
	c. Name of the Mandi
	d. Year of Regulation
	4. Actor may (re)specify following Market Functionary details
	a. Name of Functionary
	b. Number of functionaries
	c. License Fee
	d. Number of Years
	5. After updating all the mandatory details, actor could choose one of the following links/buttons:
	g. Update: Edited details are saved and System displays the message "Market Functionary of the Mandi has been updated successfully".
	h. Clear: The form details would be cleared without saving details in database.
	i. Close: The form would be closed and the System would return back to Pre-Condition.
	j. Cancel: The system would respond with the message, "Would you like to discard the Mandi Market Functionary Details?" If the actor responds with Yes, then updated details would be lost and the System would return back to Pre- Condition. ; If the actor responds with No, the actor would be returned back to the Edit Commodity Season screen.
	k. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" Market Functionary.
	l. Freeze & Publish: Saved/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" Details.
Alternative Flow:	None
Post condition:	1. If the actor chooses to Update information provided, and if all the mandatory fields have been entered, then
	a. The System would respond with the message, "Market Functionary of the Mandi

	<<Mandi Name>> is updated successfully". The actor would be brought back to Pre- Condition.
	b. Mandi's Market Functionary Details would be stored in the database.
	c. The updated details would be available to **Edit / Freeze & Publish / View/Print Market Functionary** use cases.
	2. If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then
	c. The System would respond with the message, "Market Functionary Details of the Mandi <<Mandi Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre- Condition.
	d. The Details would be available to UnFreeze /Un-Publish and View Commodity Season use cases.
	3. If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, the system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered.
	4. If the Actor chooses to close, the system would clear the record of all information entered and would display the Main Menu Page.
Exceptions:	**The Actor attempts to "update/freeze & publish" without specifying any one of the mandatory fields**
	s The system would respond with the message:
	"Please specify *<Mandatory Field Name>"*.
	Actor attempts to select Edit Market Functionary link when there is no Mandi exist under any mandi type with saved/freeze general information.
	The system would respond with the message: "No Mandi, available for specifying Market Functionary"
	The actor selects mandi type, but no mandi exists with the saved general information.
	The system would respond with the message: "No record found under selected mandi type"
	The actor selects mandi type, but no commodity specified in the Market Functionary commodity master.
	The system would respond with the message: "Please define at least one Market Functionary detail"
Business Rules:	1. Following details are mandatory to specify: Type of Mandi, Mandi Name, Name of Functionary, Number of functionaries, License Fee, Number of Years.
	2. Market Functionary must be defined in Market Functionary master
	3. Months would be enlisted from a pre- defined table in database

Relationships	**Extends**
	None
	Is Extended By
	Edit Market Functionary
	Freeze & Publish
	Uses
	Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

3.2.2.1.11 ADD TRANSACTIONAL DETAILS

Use Case Field	Description
Use Case Name	**Add Transactional Details**
Context:	This use case will facilitate actor to specify available transactional methods for the mandi, for which general information has been specified in the MIIS application.
Priority: Low/medium/high	High
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	APMC
Trigger	HomePage->Marketing Infrastructure Information System-> CMS->Managing Mandi Profile-> Managing Transactional Details-> Add Transactional Details.
Preconditions:	1. The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to add transactional methods being applicable in the mandi. 2. Mandi's general information must have been "saved/freeze" in the system.
Basic Flow	1. System would prompt the actor to select Type of the Mandi, belonging to which the actor wishes to specify transactional details. 2. Depending on the selected mandi type, system would prompt the actor to select Name of the Mandi from the drop down enlisting names of the mandi's stored with the general information. 3. As the actor selects Mandi Name, following details would be displayed in read only mode: a. Type of the Mandi b. Serial No/Mandi Code c. Name of the Mandi d. Year of Regulation 4. Actor would be required to specify following transactional details **Market Functionaries** a. Time at which sale begins in the market b. Trading hours c. Time at which sale ends in the market d. Whether produce is cleaned/graded before sale e. Accepted grade in the market f. Farmer level grading in practice

g. Are there quality disputes?

h. How are quality disputes settled?

Transactional Methods Information

i. System of sale(if different for commodities please clarify)

j. System of weighment

k. System of payment

l. Degree of transparency on method of Sale, Weighment and Payment

m. Transactional Disputes and Redressal Mechanism

Transportation

n. Mode of transport adopted for the market

o. Modes of transport for despatches to various stations

p. Modal Mix% Mode Wise

5. After specifying all the mandatory details, the actor could choose one of the following links/buttons:

g. Save: Added details are saved and System displays the message "Transactional Details of Commodities for the Mandi has been saved successfully".

h. Clear: The form details would be cleared without saving details in database.

i. Close: The form would be closed and the System would return back to Pre-Condition.

j. Cancel: The system would respond with the message, "Would you like to discard the Mandi Transactional Details?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre- Condition. ; If the actor responds with No, the actor would be returned back to the Add Transaction Details screen.

k. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" Transactional Details.

l. Freeze & Publish: Saved/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" Details.

Alternative Flow:	None
Post condition:	1. If the actor chooses to Save information provided, and if all the mandatory fields have been entered, then a. The System would respond with the message, "Transactional Details of the Mandi <<Mandi Name>> is saved successfully". The actor would be brought back to Pre-Condition. b. Mandi's Transactional Details would be stored in the database. c. The saved details would be available to **Edit / Freeze & Publish / View/Print**

	Transactional Details use cases.
	2. If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then
	a. The System would respond with the message, "Transactional Details of the Mandi <<Mandi Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre- Condition.
	b. The Details would be available to UnFreeze /Un-Publish and View Transactional Details use cases.
	3. If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, the system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered.
	4. If the Actor chooses to close, the system would clear the record of all information entered and would display the Main Menu Page.
Exceptions:	**The Actor attempts to "save/freeze & publish" without specifying any one of the mandatory fields**
	The system would respond with the message:
	"Please specify *<Mandatory Field Name>".*
	For example, if the Actor does not enter Mandi Type, Mandi Name, Commodity Name, Method of Sale.
	the message displayed would be:
	"Please select Mandi Type"
	"Please specify Mandi Name"
	"Please select Commodity Name"
	"Please select Method of Sale"
	Actor attempts to select Add Transactional Details link when there is no Mandi exist under any mandi type with saved/freeze general information.
	The system would respond with the message: "No Mandi, available for specifying transactional details"
	The actor selects mandi type, but no mandi exists with the saved general information.
	The system would respond with the message: "No record found under selected mandi type"
	The actor selects mandi type, but no commodity specified in the Transactional master.
	The system would respond with the message: "Please define at least one Transactional in the master for specifying transportation detail"
Business Rules:	1. Following details are mandatory to specify: Type of Mandi, Mandi Name, Time at which sale begins in the market, Trading hours, Time at which sale ends in the market, Whether produce is cleaned/graded before sale, Accepted grade in the market,Farmer level grading in practice, Are there quality disputes?, How are

	quality disputes settled?, System of sale(if different for commodities please clarify), System of weighment, System of payment, Degree of transparency on method of Sale, Weighment and Payment, Transactional Disputes and Redressal Mechanism, Mode of transport adopted for the market, Modes of transport for despatches to various stations, Modal Mix% Mode Wise. 2. Transactional details must be defined in Transactional master
Relationships	**Extends** None **Is Extended By** Edit Transactional Details Freeze & Publish **Uses** Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

3.2.2.1.12 EDIT TRANSACTIONAL DETAILS

Use Case Field	Description
Use Case Name	**Edit Transactional Details**
Context:	This use case will facilitate actor to edit transactional details for the existing transactional methods specified for the commodities, stored in database with "saved" status.
Priority: **Low/medium/high**	High
Frequency: **Continuous/ frequent/ medium/ less/ rare**	Medium
Primary Actor:	APMC
Trigger	HomePage->Marketing Infrastructure Information System-> CMS->Managing Mandi Profile-> Managing Transactional Details-> Edit Transactional Details.
Preconditions:	1. The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to edit transactional details for their commodities. 2. Mandi's transactional details must be "saved" in the system.
Basic Flow	1. System would prompt the actor to select Type of the Mandi, belonging to which actor wishes to update transactional details. 2. Depending on the selected mandi type, system would prompt the actor to select Name of the Mandi from the drop down enlisting names of the mandi's stored with the saved transactional details. 3. As the actor selects Mandi Name, following details would be displayed in read only mode: a. Type of the Mandi b. Serial No/Mandi Code c. Name of the Mandi d. Year of Regulation 4. Actor may (re)specify following transactional details **Market Functionaries** a. Time at which sale begins in the market b. Trading hours

c. Time at which sale ends in the market

d. Whether produce is cleaned/graded before sale

e. Accepted grade in the market

f. Farmer level grading in practice

g. Are there quality disputes?

h. How are quality disputes settled?

Transactional Methods Information

i. System of sale(if different for commodities please clarify)

j. System of weighment

k. System of payment

l. Degree of transparency on method of Sale, Weighment and Payment

m. Transactional Disputes and Redressal Mechanism

Transportation

n. Mode of transport adopted for the market

o. Modes of transport for despatches to various stations

p. Modal Mix% Mode Wise

5. After updating all the mandatory details, actor could choose one of the following links/buttons:

a. Update: Edited details are saved and System displays the message "Transactional Details for the Mandi has been updated successfully".

b. Clear: The form details would be cleared without saving details in database.

c. Close: The form would be closed and the System would return back to Pre-Condition.

d. Cancel: The system would respond with the message, "Would you like to discard the Mandi Transactional Details?" If the actor responds with Yes, then updated details would be lost and the System would return back to Pre- Condition. ; If the actor responds with No, the actor would be returned back to the Edit Transactional Details screen.

e. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" Transactional Details.

f. Freeze & Publish: Saved/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" Details.

Alternative Flow:	None
Post condition:	1. If the actor chooses to Update information provided, and if all the mandatory fields have been entered, then

a.The System would respond with the message, "Transactional Details of the Mandi <<Mandi Name>> is updated successfully". The actor would be brought back to Pre-Condition.

b. Mandi's Transactional Details would be stored in the database.

c. The updated details would be available to **Edit / Freeze & Publish / View/Print Transactional Details** use cases.

2. If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then

   a. The System would respond with the message, "Transactional Details of the Mandi <<Mandi Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre- Condition.

   b. The Details would be available to UnFreeze /Un-Publish and View Transactional Details use cases.

3. If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, the system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered.

4. If the Actor chooses to close, the system would clear the record of all information entered and would display the Main Menu Page.

Exceptions:	**The Actor attempts to "update/freeze & publish" without specifying any one of the mandatory fields**
	The system would respond with the message:
	"Please specify *<Mandatory Field Name>"*.
	For example, if the Actor does not enter Mandi Type, Mandi Name, Commodity Name, and Method of Sale.
	the message displayed would be:
	"Please select Mandi Type"
	"Please specify Mandi Name"
	"Please select Commodity"
	"Please select Method of Sale"
	Actor attempts to select Edit Transactional Details link when there is no Mandi exist under any mandi type with saved transactional details.
	The system would respond with the message: "No Mandi, available for updating transactional details"
	The actor selects mandi type, but no mandi exists with saved transactional details.
	The system would respond with the message: "No record found under selected mandi type"

	The actor selects mandi type, but no commodity specified in the commodity master. The system would respond with the message: "Please define at least one commodity in the master for specifying transactional details"
Business Rules:	1. Following details are mandatory to specify: Type of Mandi, Mandi Name, Time at which sale begins in the market, Trading hours, Time at which sale ends in the market, Whether produce is cleaned/graded before sale, Accepted grade in the market,Farmer level grading in practice, Are there quality disputes?, How are quality disputes settled?, System of sale(if different for commodities please clarify), System of weighment, System of payment, Degree of transparency on method of Sale, Weighment and Payment, Transactional Disputes and Redressal Mechanism, Mode of transport adopted for the market, Modes of transport for despatches to various stations, Modal Mix% Mode Wise. 2. Transactional details must be defined in Transactional master
Relationships	**Extends** None **Is Extended By** Edit Transactional Details Freeze & Publish **Uses** Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

3.2.2.1.13 ADD STORAGE AND OTHER DETAILS OF MANDI

Use Case Field	Description
Use Case Name	**Add** Storage and other details of Mandi
Context:	This use case will facilitate actor to specify available storage and other details of Mandi has been specified in the MIIS application.
Priority: Low/medium/high	High
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	APMC
Trigger	Home Page->Marketing Infrastructure Information System-> CMS->Managing Mandi Profile-> Managing Storage and other Details-> Add Storage and other Details.
Preconditions:	1. The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to add storage and other details available in the mandi. 2. Mandi's general information must have been "saved/freeze" in the system.

Basic Flow	The actor shall be presented an interface so that the actor can enter the details of Storage and other details
	
	a. Actor would be required to specify following storage and other details:
	
	Storage Information
	
	    a. Storage facilities available in the market with trade as well as APMC
	
	    b. Availability of Ripening Chambers if available
	
	          i. Number
	
	          ii. Capacity
	
	Facilities and Services Information
	
	    c. Information Notice Board/Electric Display Board

d. Public Address System

e. Are the prices displayed on the Notice Board

f. Are the producers able to read the information displayed on The Notice Board

g. Availability Of:

    i. Canteen

    ii. Restaurant

    iii. Toilets

    iv. Internal Roads

    v. Parking

    vi. Fencing

    vii. Post Office

    viii. Bank

    ix. Input/Sundry Shops

    x. Fire Extinguishers

    xi. Rest house for farmers

    xii. Drinking Water

    xiii. Electricity

    xiv. Auction Platform

    xv. Grading and Analyzing Laboratory

    xvi. Mechanical Graders

    xvii. Sieves

    xviii. Garbage Disposal System

    xix. Sweeping Facilities

    xx. Information Unit

    xxi. Extension Unit

    xxii. Audio Visual side

    xxiii. Market office building

h. Name of Welfare scheme for producers

Market Charges Information

a. Commission

b. Market Fee

c. Weighmen

d. Brokerage

e. Charity

	f. Trade Allowance
	g. Octroi
	h. Sales Tax
	i. Other Taxes/Levies
	j. Other Charges
	Financial Position Information
	a. Annual Income
	b. Annual Expenditure
	c. Surplus/Deficit
	d. Total Reserves with APMC on 31st March
	e. Total Liabilities (loan etc.)with APMC on 31st March

After specifying storage/ware house details for one commodity, actor would be required to save details.

1. After specifying all the mandatory storage details for the selected Mandi , the actor could choose one of the following links/buttons:

   a. Save: Added details are saved and System displays the message "Storage and other details have been saved successfully".

   b. Clear: The form details would be cleared without saving details in database.

   c. Close: The form would be closed and the System would return back to Pre-Condition.

   d. Cancel: The system would respond with the message, "Would you like to discard the Mandi Storage Details?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre- Condition. ; If the actor responds with No, the actor would be returned back to the Add Storage Infrastructure Details screen.

   e. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" Storage Infrastructure Details.

   f. Freeze & Publish: Saved/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" Details.

Alternative Flow:	None
Post condition:	1. If the actor chooses to Save information provided, and if all the mandatory fields have been entered, then a.The System would respond with the message, "Storage Details of the Mandi <<Mandi Name>> is saved successfully". The actor would be brought back to Pre-Condition. b. Storage and other Details would be stored in the database.

	c. The saved details would be available to **Edit / Freeze & Publish / View/Print** **Storage and other Details** use cases.
	2. If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then
	a. The System would respond with the message, "Storage and other Details of the Mandi <<Mandi Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre- Condition.
	b. The Details would be available to Unfreeze /Un-Publish and View Storage Details use cases.
	3. If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, the system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered.
	4. If the Actor chooses to close, the system would clear the record of all information entered and would display the Main Menu Page.
Exceptions:	**The Actor attempts to "save/freeze & publish" without specifying any one of the mandatory fields** The system would respond with the message: "Please specify *<Mandatory Field Name>"*. **Actor attempts to select Add Storage Infrastructure Details link when there is no Mandi exist under any mandi type with saved/freeze general information.** The system would respond with the message: "No Mandi, available for specifying storage infrastructure details" **The actor selects mandi type, but no mandi exists with the saved general information.** The system would respond with the message: "No record found under selected mandi type"
Business Rules:	1. Following details are mandatory to specify: Type of Mandi, Mandi Name, Total number of available storages and Total storage Capacity. 2. Type of Storages must be defined in Storage Type Master
Relationships	**Extends** None **Is Extended By** Edit Storage Infrastructure Details **Uses** Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

3.2.2.1.14 EDIT STORAGE AND OTHER DETAILS

Use Case Field	Description
Use Case Name	**Edit** Storage and other **Details**
Context:	This use case will facilitate actor to edit available storage and other details which are

	stored in database with "saved" status.
Priority: Low/medium/high	High
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	APMC
Trigger	Home Page->Marketing Infrastructure Information System-> CMS->Managing Mandi Profile-> Managing Storage and other Details-> Edit Storage and other Details.
Preconditions:	1. The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to edit storage and other details available in the Mandi. 2. Storage and other details must be "saved" in the system.

Basic Flow	1. System would prompt the actor to select Type of the storage and other details to which the actor wishes to edit available storage facilities, Location
	
	2. Depending on the selected storage and other details, location system would prompt the actor to select Name of the storage house from the drop down
	
	3. As the actor selects storage name, the system shall display for one or multiple Storage following details would be displayed in read only mode:
	
	    • Name of the store/ware house
	
	4. Actor can then edit the information wise following storage details
	
	Storage Information
	
	    a. Storage facilities available in the market with trade as well as APMC
	
	    b. Availability of Ripening Chambers if available
	
	        i. Number
	
	        ii. Capacity
	
	Facilities and Services Information
	
	    a. Information Notice Board/Electric Display Board
	
	    b. Public Address System
	
	    c. Are the prices displayed on the Notice Board
	
	    d. Are the producers able to read the information displayed on The Notice Board
	
	    e. Availability Of:
	
	        iii. Canteen
	
	        iv. Restaurant
	
	        v. Toilets
	
	        vi. Internal Roads
	
	        vii. Parking
	
	        viii. Fencing
	
	        ix. Post Office

	x. Bank
	xi. Input/Sundry Shops
	xii. Fire Extinguishers
	xiii. Rest house for farmers
	xiv. Drinking Water
	xv. Electricity
	xvi. Auction Platform
	xvii. Grading and Analyzing Laboratory
	xviii. Mechanical Graders
	xix. Sieves
	xx. Garbage Disposal System
	xxi. Sweeping Facilities
	xxii. Information Unit
	xxiii. Extension Unit
	xxiv. Audio Visual side
	xxv. Market office building
	f. Name of Welfare scheme for producers
	Market Charges Information
	a. Commission
	b. Market Fee
	c. Weighmen
	d. Brokerage
	e. Charity
	f. Trade Allowance
	g. Octroi
	h. Sales Tax
	i. Other Taxes/Levies
	j. Other Charges
	Financial Position Information
	a. Annual Income
	b. Annual Expenditure
	c. Surplus/Deficit
	d. Total Reserves with APMC on 31st March
	e. Total Liabilities (loan etc.)with APMC on 31st March
	5. After the actor has edited the store/ware house information then actors can perform

	following action:-
	a. Update: Edited details are saved and System displays the message "storage Details for the Mandi <<Mandi Name>> has been updated successfully".
	b. Clear: The form details would be cleared without updating details in database.
	c. Close: The form would be closed and the System would return back to Pre-Condition.
	d. Cancel: The system would respond with the message, "Would you like to discard the Storage Details?" If the actor responds with Yes, then the edited details would be lost and the System would return back to Pre- Condition. ; If the actor responds with No, the actor would be returned back to the Edit Storage Infrastructure Details screen.
Alternative Flow:	None
Post condition:	1. If the actor chooses to Save information provided, and if all the mandatory fields have been entered, then
	a.The System would respond with the message, "Storage Details of the store/ware house is updated successfully". The actor would be brought back to Pre- Condition.
	b. Storage updated Storage Details would be stored in the database.
	c. The updated details would be available to **Edit / Freeze & Publish / View/Print Storage Details** use cases.
	2. If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then
	3. The System would respond with the message, "Storage Details has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre- Condition.
	4. The Details would be available to UnFreeze /Un-Publish and View Storage Details use cases.
	5. If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, the system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered.
	6. If the Actor chooses to close, the system would clear the record of all information entered and would display the Main Menu Page.
Exceptions:	**The Actor attempts to "update/freeze & publish" without specifying any one of the mandatory fields**
	The system would respond with the message:
	"Please specify *<Mandatory Field Name>".*

For example, if the Actor does not enter store/ware house Type, store/ware house Name, Commodity Name, Total Number of available Storages, Total Storage Capacity.

the message displayed would be:

"Please select store/ware house Type"

"Please specify store/ware house Name"

 "Please specify Total Number of available Storages"

 "Please specify Total Storage Capacity" etc.

Actor attempts to select Edit Storage Infrastructure Details link when there is no Mandi exist under any mandi type with saved storage infrastructure details.

The system would respond with the message: "No Mandi, available for specifying storage infrastructure details"

The actor selects mandi type, but no commodity specified in the commodity master.

The system would respond with the message: "Please define at least one commodity in the master for specifying storage infrastructure detail"

Actor attempts to update/freeze when specified number of available storages for a commodity exceeds total number of available storages.

The system would respond with the message: "Number of storage details for one commodity should not exceed total number of available storages."

Actor attempts to update/freeze when sum of all storage capacity specified for each storage type under one commodity exceeds total storage capacity.

The system would respond with the message: "Summation of all storage capacities specified for one commodity should not exceed Total Storage Capacity."

Business Rules:	1. Following details are mandatory to specify: Type of Mandi, Mandi Name, Total number of available storages and Total storage Capacity etc. 2. Type of Storages must be defined in Storage Type Master
Relationships	**Extends** None **Is Extended By** Edit Storage Infrastructure Details **Uses** Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

3.2.2.2 Managing wholesale/Terminal Market Information

Use Case Name	Purpose of the Use Case	Actor
Add wholesale/Terminal Market Information	This use case will facilitate actor to specify general information of the whole sale /Terminal Market belonging to the State.	Actor with assigned responsibility to specify wholesale/Terminal Market information
Modify wholesale/Terminal Market Information	This use case will facilitate actor to update the wholesale/Terminal Market information of any whole sale /Terminal Market	Actor with assigned responsibility to specify/edit wholesale/Terminal Market information
View wholesale/Terminal Market	This use case will facilitate actor to	Actor with assigned responsibility to

Information	view wholesale/Terminal Market information	view wholesale/Terminal Market information

3.2.2.2.1 ADD WHOLESALE/TERMINAL MARKET INFORMATION

Use Case Field	Description
Use Case Name	**Add** wholesale/Terminal **market Information**
Context:	This use case will facilitate actor to specify general information of a new wholesale/terminal market being defined in the MIIS application for the belonging regional entity (Regional entity refers District/Block/State under which the Wholesale/terminal market resides)
Priority: **Low/medium/high**	High
Frequency: **Continuous/ frequent/ medium/ less/ rare**	Medium
Primary Actor:	APMC
Trigger	HomePage->Marketing Infrastructure Information System-> CMS->Managing Wholesale/terminal market Profile-> General Information-> Add wholesale/Terminal market Information
Preconditions:	2. The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to Add New Wholesale/terminal market's General Information in the System.
Basic Flow	1. Type of the Wholesale/terminal market: System would prompt the actor to select Type of the Wholesale/terminal market i.e. Regulated/Un Regulated, which s(he) wishes to add in the system. 2. System would prompt the actor to specify following general details about the Wholesale/terminal market: a. Serial No/Wholesale/terminal market Code: System would auto generate the Wholesale/terminal market Code/Serial Number to uniquely identify the Wholesale/terminal market. b. Name of the Wholesale/terminal market: Actor would specify name of the Wholesale/terminal market being added in the System. c. Market Type Full Postal Address d. Address1 and Address2 : Actor would specify address of Wholesale/terminal market e. City: Actor would select, name of the city under which the Wholesale/terminal market resides. f. PIN Code: Actor would specify Pin Code of the Wholesale/terminal market address. g. Email: Actor would specify email id being used for Wholesale/terminal market related communications h. STD Code and Telephone Number: Actor would be required to specify STD Code and telephone number of the Wholesale/terminal market office. i. Year of Establishment: Actor would select year of wholesale/terminal market establishment from the calendar being displayed or the actor could

manually specify the year.

3. State of regulation

4. Godown facilities

5. Cold storage facility

6. Nearest Railway Station

7. Distance (km)

8. Commodities arriving in the market

9. Commercial grading facility

10. After specifying all the mandatory details, the actor could choose one of the following links/buttons:

    a. Save: New Wholesale/terminal market is created and System displays the message "General Information   of Wholesale/terminal market has been saved successfully".

    b. Clear: The form details would be cleared without saving details in database.

    c. Close: The form would be closed and the System would return back to Pre Condition.

    d. Cancel: The system would respond with the message, "Would you like to discard the Wholesale/terminal market General Information?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre Condition. ; If the actor responds with No, the actor would be returned back to the Add General Information screen.

    e. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" General Information.

    f. Freeze & Publish: Saved/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" General Information.

Alternative Flow:	None

Post condition:	1. **If the actor chooses to Save the information provided, and if all the mandatory fields have been entered, then**
	    a. The System would respond with the message, "General Information of the Wholesale/terminal market <<Wholesale/terminal market Name>> is saved successfully". The actor would be brought back to Pre Condition.
	  b. Wholesale/terminal market's General Information would be stored in the database.
	  c. The saved details would be available to **Edit / Freeze & Publish / View/Print General Information** use cases.
	2. . **If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then**
	    a. The System would respond with the message, "General Information of the Wholesale/terminal market <<Wholesale/terminal market Name>> has

	been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre Condition. b. The Details would be available to UnFreeze /Un-Publish and View General Information use cases. 3. . If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, the system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered. 4. . 5. If the Actor chooses to Close, the system would clear the record of all information entered and would display the Main Menu Page.
Exceptions:	**The Actor attempts to "save/freeze & publish" without specifying any one of the mandatory fields** The system would respond with the message: "Please specify *<Mandatory Field Name>"*. For example, if the Actor does not enter Wholesale/terminal market Name, etc. the message displayed would be: "Please specify Wholesale/terminal market Name" **The Actor attempts to "save/freeze & publish" when Wholesale/terminal market with the same Name already exists is database.** The system would respond with the message: "Wholesale/terminal market Name already exists. Please specify another Wholesale/terminal market Name." **The Actor attempts to "save/freeze & publish" when Year of Establishment is not defined in yyyy format.** The system would respond with the message: "Please specify Year of Establishment in YYYY format"
Business Rules:	1. Following details are mandatory to specify: Type of the Wholesale/terminal market, Wholesale/terminal market Name. 2. Wholesale/terminal market Code and Wholesale/terminal market Name should be unique. 3. Year of Establishment should be defined manually in yyyy format. Otherwise, the system would facilitate to select year from the calendar being displayed. By default, today, month and year would be displayed in calendar. Post-dated entries/year should not be allowed to specify.
Relationships	**Extends** None **Is Extended By** Edit General Information **Uses** Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

3.2.2.2.2   EDIT WHOLESALE/TERMINAL MARKET INFORMATION

Use Case Field	Description
Use Case Name	**Edit wholesale/Terminal market Information**
Context:	This use case will facilitate actor to edit/modify general information of the existing wholesale/terminal market in the MIIS application belonging to the regional entity (Regional entity refers District/Block/State under which the Wholesale/terminal market resides)
Priority: **Low/medium/high**	Medium
Frequency: **Continuous/ frequent/ medium/ less/ rare**	Medium
Primary Actor:	APMC
Trigger	HomePage->Marketing Infrastructure Information System-> CMS->Managing Wholesale/terminal market Profile-> General Information-> Edit **wholesale/Terminal market**
Preconditions:	The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to edit existing Wholesale/terminal market's General Information in the System.
Basic Flow	1. System would prompt the actor to select "Type of the Wholesale/terminal market" which s(he) wishes to edit.
	2. Depending on the selected Wholesale/terminal market Type, System would prompt the actor to select Wholesale/terminal market Name from the drop down enlisting all the wholesale/terminal market's stored in database with "saved" status. The actor may choose one of the Wholesale/terminal market Name, which (s)he wishes to edit.
	3. As the actor chooses Wholesale/terminal market Name, system would display all the General Information specified for that Wholesale/terminal market.
	4. Serial Number/Wholesale/terminal market Code would be available in read only mode and actor would not be able to edit it.
	5. Following general information related to Wholesale/terminal market would be available for editing:
	a. Name of the Wholesale/terminal market: Actor may (re) specify new name of the Wholesale/terminal market.
	b. Market Type
	Full Postal Address
	c. Address1 and Address2 : Actor may (re) specify address of Wholesale/terminal market
	d. City: Actor may (re)select, name of the city under which the Wholesale/terminal market resides.
	e. PIN Code: Actor may (re)specify Pin Code of the Wholesale/terminal market address.
	f. Email: Actor may (re)specify email id being used for Wholesale/terminal market related communications

g. STD Code and Telephone Number: Actor may (re)specify STD Code and telephone number of the Wholesale/terminal market office.

h. Year of Establishment: Actor may (re)select year of wholesale/terminal market establishment from the calendar being displayed or the actor could manually specify the year.

i. Population Served (in numbers): Actor may (re)specify number of population/workers in the Wholesale/terminal market.

j. Geographical Area served by Wholesale/terminal market (Number of Villages): Actor may (re)specify total number of villages being served by Wholesale/terminal market.

6. State of regulation

7. Godown facilities

8. Cold storage facility

9. Nearest Railway Station

10. Distance (km)

11. Commodities arriving in the market

12. Commercial grading facility

13. After specifying all the mandatory details, the actor could choose one of the following links/buttons:

   a. Update: Edited General Information would be saved and System displays the message "General Information of Wholesale/terminal market has been updated successfully".

   b. Clear: The form details would be cleared without saving details in database.

   c. Close: The form would be closed and the System would return back to Pre Condition.

   d. Cancel: The system would respond with the message, "Would you like to discard the Wholesale/terminal market General Information?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre Condition. ; If the actor responds with No, the actor would be returned back to the Add General Information screen.

   e. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" General Information.

   f. Freeze & Publish: Updated/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" General Information.

Alternative Flow:	None
Post condition:	If the actor chooses to Update the information provided, and if all the mandatory fields have been entered, then

	a. The System would respond with the message, "General Information of the Wholesale/terminal market <<Wholesale/terminal market Name>> is updated successfully". The actor would be brought back to Pre Condition.
	b. Wholesale/terminal market's General Information would be stored in the database.
	c. The updated details would be available to **Edit / Freeze & Publish / View/Print General Information** use cases.
	If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then
	d. The System would respond with the message, "General Information of the Wholesale/terminal market <<Wholesale/terminal market Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre Condition.
	e. The Details would be available to Un-Freeze /Un-Publish and View General Information use cases.
	If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered. If the Actor chooses to close, system would clear the record of all information entered and would display the Main Menu Page.
Exceptions:	**Actor attempts to select Edit General Information link when there is no Wholesale/terminal market exist under any wholesale/terminal market type with saved details.** The system would respond with the message: "No Wholesale/terminal market, available for editing General Information" **The actor selects type of the wholesale/terminal market, but no wholesale/terminal market exists with the saved general information.** The system would respond with the message: "No record found under selected wholesale/terminal market type" **The Actor attempts to "update/freeze & publish" without specifying any one of the mandatory fields** The system would respond with the message: "Please specify *<Mandatory Field Name>".* For example, if the Actor does not enter Wholesale/terminal market Name, etc. the message displayed would be: "Please specify Wholesale/terminal market Name" **The Actor attempts to "update/freeze & publish" when Wholesale/terminal market with the same Name already exists is database.** The system would respond with the message: "Wholesale/terminal market Name

	already exists. Please specify another Wholesale/terminal market Name." **The Actor attempts to "update/freeze & publish" when Year of Establishment is not defined in yyyy format.** The system would respond with the message: "Please specify Year of Establishment in YYYY format"
Business Rules:	1. Following details are mandatory to specify: Type of the Wholesale/terminal market, Wholesale/terminal market Name. 2. Wholesale/terminal market Name should be unique. 3. Year of Establishment should be defined manually in yyyy format. Otherwise, the system would facilitate to select year from the calendar being displayed. By default, today, month and year would be displayed in calendar. Post-dated entries/year should not be allowed to specify.
Relationships	**Extends** None **Is Extended By** None **Uses** Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

3.2.2.2.3   VIEW WHOLESALE/TERMINAL MARKET INFORMATION

Use Case Field	Description
Use Case Name	**View** wholesale/Terminal market **Information**
Context:	This use case will facilitate actor to view saved/freeze wholesale/terminal market details in the MIIS application.
Priority: Low/medium/high	Medium
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	APMC
Trigger	HomePage->Marketing Infrastructure Information System-> CMS->Managing Wholesale/terminal market Profile-> General Information-> View **wholesale/Terminal market**
Preconditions:	The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to view stored Wholesale/terminal market's General Information in MIIS.
Basic Flow	1. System would prompt the actor to select "Type of the Wholesale/terminal market" which s(he) wishes to view. 2. Depending on the selected Wholesale/terminal market Type, System would enlist all saved and published records of Wholesale/terminal market General Information displaying Sr.No/Wholesale/terminal market Code, Wholesale/terminal market Name and Status ,address, 3. The actor may select one record to view. If there is only one record comprising General Information, System will directly show the information to view. 4. After selecting record, the actor could choose one of the following links/buttons: 5. View: Details specified for the selected record would be displayed. 6. Print: Actor may print the display information using this link (Refer common use

	case Print)
	7. Clear: The selected record would be cleared without displaying any information.
	8. Close: The form would be closed and the System would return back to Pre Condition.
Alternative Flow:	None
Post condition:	1. **All details specified for the selected Wholesale/terminal market's "General Information" would be displayed and could be printed out.** 2. **If the Actor chooses to close, system would clear all selected record(s) and would display the Main Menu Page.**
Exceptions:	**The Actor attempts to "view" without selecting any record** The system would respond with the message: "Please select at least one record to details" **The Actor attempts to click on the link General Information->"view" when there is no saved/freeze record specified under any wholesale/terminal market type in the system.** The system would respond with the message: "No record available for viewing" **Actor attempts to select Wholesale/terminal market Type, but no record available.** The system would respond with the message: "No record available for viewing"
Business Rules:	At least one record is mandatory to select.
Relationships	**Extends** MIIS Main Menu Page **Is Extended By** None **Uses** Login
Special Requirements:	None
Assumptions:	None
Unresolved Issues:	None

3.2.2.3 Managing Storage Information

3.2.2.3.1 ADD COLD STORAGE INFORMATION

Use Case Field	Description
Use Case Name	Add cold storage Information
Context:	This use case will facilitate actor to specify general information of a new cold storage being defined in the MIIS application for the belonging regional entity (Regional entity refers District/Block/State under which the Cold storage resides)
Priority: Low/medium/high	High
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	CWC/SWC/MARKFED
Trigger	HomePage->Marketing Infrastructure Information System-> CMS->Managing Storage Information-> Add Cold Storage
Preconditions:	1. The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to Add New Cold storage's General Information in the System.

Basic Flow	1. Type of the Cold storage: System would prompt the actor to select Type of the Cold storage i.e. Regulated/Un Regulated, which s(he) wishes to add in the system.
	2. System would prompt the actor to specify following general details about the Cold storage:
	a. Serial No/Cold storage Code: System would auto generate the Cold storage Code/Serial Number to uniquely identify the Cold storage.
	b. Name of the Cold storage: Actor would specify name of the Cold storage being added in the System.
	Full Postal Address
	c. Address1 and Address2 : Actor would specify address of Cold storage
	d. City: Actor would select, name of the city under which the Cold storage resides.
	e. PIN Code: Actor would specify Pin Code of the Cold storage address.
	f. Email: Actor would specify email id being used for Cold storage related communications
	g. STD Code and Telephone Number: Actor would be required to specify STD Code and telephone number of the Cold storage office.
	3. Cold storage facility
	4. Nearest Railway Station
	5. Distance (km)
	6. Commodities that can be stored
	7. After specifying all the mandatory details, the actor could choose one of the following links/buttons:
	a. Save: New Cold storage is created and System displays the message "General Information of Cold storage has been saved successfully".
	b. Clear: The form details would be cleared without saving details in database.
	c. Close: The form would be closed and the System would return back to Pre Condition.
	d. Cancel: The system would respond with the message, "Would you like to discard the Cold storage General Information?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre Condition. ; If the actor responds with No, the actor would be returned back to the Add General Information screen.
	e. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" General Information.
	f. Freeze & Publish: Saved/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" General Information.

Alternative Flow:	None
Post condition:	1. **If the actor chooses to Save the information provided, and if all the mandatory fields have been entered, then** a. The System would respond with the message, "General Information of the Cold storage <<Cold storage Name>> is saved successfully". The actor would be brought back to Pre Condition. b. Cold storage's General Information would be stored in the database. c. The saved details would be available to **Edit / Freeze & Publish / View/Print General Information** use cases. 2. . **If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then** a. The System would respond with the message, "General Information of the Cold storage <<Cold storage Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre Condition. b. The Details would be available to Unfreeze /Un-Publish and View General Information use cases. 3. . If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, the system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered. 4. . 5. If the Actor chooses to Close, the system would clear the record of all information entered and would display the Main Menu Page.
Exceptions:	**The Actor attempts to "save/freeze & publish" without specifying any one of the mandatory fields** The system would respond with the message: "Please specify *<Mandatory Field Name>".* For example, if the Actor does not enter Cold storage Name, etc. the message displayed would be: "Please specify Cold storage Name" **The Actor attempts to "save/freeze & publish" when Cold storage with the same Name already exists is database.** The system would respond with the message: "Cold storage Name already exists. Please specify another Cold storage Name." **The Actor attempts to "save/freeze & publish" when Year of Establishment is not defined in yyyy format.** The system would respond with the message: "Please specify Year of Establishment in YYYY format"
Business Rules:	1. Following details are mandatory to specify: Type of the Cold storage, Cold storage Name. 2. Cold storage Code and Cold storage Name should be unique. 3. Year of Establishment should be defined manually in yyyy format. Otherwise, the system would facilitate to select year from the calendar being displayed. By default, today, month and year would be displayed in calendar. Post-dated entries/year should not be allowed to specify.
Relationships	**Extends** None

	Is Extended By Edit Cold storage Information **Uses** Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

3.2.2.3.2   EDIT COLD STORAGE INFORMATION

Use Case Field	Description
Use Case Name	**Edit** Cold storage **Information**
Context:	This use case will facilitate actor to edit/modify general information of the existing Cold storage in the MIIS application belonging to the regional entity (Regional entity refers District/Block/State under which the Cold storage resides)
Priority: Low/medium/high	Medium
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	CWC/SWC/MARKFED
Trigger	Home Page->Marketing Infrastructure Information System-> CMS->Managing Storage Information-> Edit Cold Storage
Preconditions:	The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to edit existing Wholesale/terminal market's General Information in the System.

Basic Flow	1. System would prompt the actor to enter Cold storage Name , Location
	
	 2. As the actor chooses Cold storage Name, system would display all the General Information specified for that Wholesale/terminal market.
	
	 3. Serial Number/Cold storage Code would be available in read only mode and actor would not be able to edit it.
	
	 4. Following general information related to Cold storage would be available for editing:
	
	     a. Name of the cold storage: Actor may (re) specify new name of the cold storage.
	
	 Full Postal Address
	
	     b. Address1 and Address2 : Actor may (re) specify address of cold storage
	
	     c. City: Actor may (re)select, name of the city under which the Cold storage resides.
	
	     d. PIN Code: Actor may (re)specify Pin Code of the Cold storage ddress.
	
	     e. Email: Actor may (re)specify email id being used for Cold storage related communications
	
	     f. STD Code and Telephone Number: Actor may (re)specify STD Code and telephone number of the Cold storage office.
	
	     g. Year of Establishment: Actor may (re)select year of Cold storage establishment from the calendar being displayed or the actor could manually specify the year.
	
	     h. Population Served (in numbers): Actor may (re)specify number of population/workers in the Wholesale/terminal market.
	
	     i. Geographical Area served by Cold storage(Number of Villages): Actor may

(re)specify total number of villages being served by Wholesale/terminal market.

5. State of regulation

6. Godown facilities

7. Cold storage facility

8. Nearest Railway Station

9. Distance (km)

10. Commodities arriving in the market

11. Commercial grading facility

12. After specifying all the mandatory details, the actor could choose one of the following links/buttons:

   a. Update: Edited General Information would be saved and System displays the message "General Information of Cold storage has been updated successfully".

   b. Clear: The form details would be cleared without saving details in database.

   c. Close: The form would be closed and the System would return back to Pre Condition.

   d. Cancel: The system would respond with the message, "Would you like to discard the Cold storage General Information?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre Condition. ; If the actor responds with No, the actor would be returned back to the Add General Information screen.

   e. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" General Information.

   f. Freeze & Publish: Updated/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" General Information.

Alternative Flow:	None

Post condition:	**If the actor chooses to Update the information provided, and if all the mandatory fields have been entered, then**
	
	    a. The System would respond with the message, "General Information of the Cold storage<<Cold storage Name>> is updated successfully". The actor would be brought back to Pre Condition.
	
	    b. Wholesale/terminal market's General Information would be stored in the database.
	
	    c. The updated details would be available to **Edit / Freeze & Publish / View/Print General Information** use cases.
	
	If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then
	
	    d. The System would respond with the message, "General Information of the Cold storage<<Cold storage Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor

	would be brought back to Pre Condition. e. The Details would be available to Un-Freeze /Un-Publish and View General Information use cases. **If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered.** **If the Actor chooses to close, system would clear the record of all information entered and would display the Main Menu Page.**
Exceptions:	**Actor attempts to select Edit General Information link when there is no Cold storage exist under any Cold storage type with saved details.** The system would respond with the message: "No Wholesale/terminal market, available for editing General Information" **The actor selects type of the wholesale/terminal market, but no Cold storage exists with the saved general information.** The system would respond with the message: "No record found under selected Cold storage type" **The Actor attempts to "update/freeze & publish" without specifying any one of the mandatory fields** The system would respond with the message: "Please specify *<Mandatory Field Name>".* For example, if the Actor does not enter Cold storage Name, etc. the message displayed would be: "Please specify Cold storage Name" **The Actor attempts to "update/freeze & publish" when Cold storage with the same Name already exists is database.** The system would respond with the message: "Cold storage Name already exists. Please specify another Cold storage Name." **The Actor attempts to "update/freeze & publish" when Year of Establishment is not defined in yyyy format.** The system would respond with the message: "Please specify Year of Establishment in YYYY format"
Business Rules:	4. Following details are mandatory to specify: Type of the Wholesale/terminal market, Cold storage Name. 5. Cold storage Name should be unique. 6. Year of Establishment should be defined manually in yyyy format. Otherwise, the system would facilitate to select year from the calendar being displayed. By default, today, month and year would be displayed in calendar. Post-dated entries/year should not be allowed to specify.
Relationships	**Extends** None **Is Extended By** None **Uses**

	Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

3.2.2.3.3 ADD RURAL STORAGE/WAREHOUSE INFORMATION

Use Case Field	Description
Use Case Name	Add Rural Storage/warehouse Information
Context:	This use case will facilitate actor to specify general information of a new Rural Storage/warehouse being defined in the MIIS application for the belonging regional entity (Regional entity refers District/Block/State under which the Rural Storage/warehouse resides)
Priority: Low/medium/high	High
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	CWC/SWC/MARKFED
Trigger	HomePage->Marketing Infrastructure Information System-> CMS->Managing Storage Information->Add Rural Storage/warehouse
Preconditions:	1. The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to Add New Rural Storage/warehouse's General Information in the System.
Basic Flow	1. Type of the Rural Storage/warehouse: System would prompt the actor to select Type of the Rural Storage/warehouse i.e. Regulated/Un Regulated, which s(he) wishes to add in the system. 2. System would prompt the actor to specify following general details about the Rural Storage/warehouse: a. Serial No/Rural Storage/warehouse Code: System would auto generate the Rural Storage/warehouse Code/Serial Number to uniquely identify the Rural Storage/warehouse. b. Name of the Rural Storage/warehouse: Actor would specify name of the Rural Storage/warehouse being added in the System. Full Postal Address c. Address1 and Address2 : Actor would specify address of Rural Storage/warehouse d. City: Actor would select, name of the city under which the Rural Storage/warehouse resides. e. PIN Code: Actor would specify Pin Code of the Rural Storage/warehouse address. f. Email: Actor would specify email id being used for Rural Storage/warehouse related communications g. STD Code and Telephone Number: Actor would be required to specify STD Code and telephone number of the Rural Storage/warehouse office. 3. Rural Storage/warehouse facility

	4. Nearest Railway Station
	5. Distance (km)
	6. Commodities that can be stored
	7. After specifying all the mandatory details, the actor could choose one of the following links/buttons:
	g. Save: New Rural Storage/warehouse is created and System displays the message "General Information of Rural Storage/warehouse has been saved successfully".
	h. Clear: The form details would be cleared without saving details in database.
	i. Close: The form would be closed and the System would return back to Pre Condition.
	j. Cancel: The system would respond with the message, "Would you like to discard the Rural Storage/warehouse General Information?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre Condition. ; If the actor responds with No, the actor would be returned back to the Add General Information screen.
	k. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" General Information.
	l. Freeze & Publish: Saved/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" General Information.
Alternative Flow:	None
Post condition:	5. If the actor chooses to Save the information provided, and if all the mandatory fields have been entered, then
	d. The System would respond with the message, "General Information of the Rural Storage/warehouse <<Rural Storage/warehouse Name>> is saved successfully". The actor would be brought back to Pre Condition.
	e. Rural Storage/warehouse's General Information would be stored in the database.
	f. The saved details would be available to **Edit / Freeze & Publish / View/Print General Information** use cases.
	6. . If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then
	c. The System would respond with the message, "General Information of the Rural Storage/warehouse <<Rural Storage/warehouse Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre Condition.
	d. The Details would be available to Unfreeze /Un-Publish and View General Information use cases.
	7. . If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, the system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered.
	8. . 5. If the Actor chooses to Close, the system would clear the record of all

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	information entered and would display the Main Menu Page.
Exceptions:	**The Actor attempts to "save/freeze & publish" without specifying any one of the mandatory fields** The system would respond with the message: "Please specify *<Mandatory Field Name>".* For example, if the Actor does not enter Rural Storage/warehouse Name, etc. the message displayed would be: "Please specify Rural Storage/warehouse Name" **The Actor attempts to "save/freeze & publish" when Rural Storage/warehouse with the same Name already exists is database.** The system would respond with the message: "Rural Storage/warehouse Name already exists. Please specify another Rural Storage/warehouse Name." **The Actor attempts to "save/freeze & publish" when Year of Establishment is not defined in yyyy format.** The system would respond with the message: "Please specify Year of Establishment in YYYY format"
Business Rules:	4. Following details are mandatory to specify: Type of the Rural Storage/warehouse, Rural Storage/warehouse Name. 5. Rural Storage/warehouse Code and Rural Storage/warehouse Name should be unique. 6. Year of Establishment should be defined manually in yyyy format. Otherwise, the system would facilitate to select year from the calendar being displayed. By default, today, month and year would be displayed in calendar. Post-dated entries/year should not be allowed to specify.
Relationships	**Extends** None **Is Extended By** Edit Rural Storage/warehouse Information **Uses** Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

3.2.2.3.4 EDIT RURAL STORAGE/WAREHOUSE INFORMATION

Use Case Field	Description
Use Case Name	**Edit** Rural Storage/warehouse **Information**
Context:	This use case will facilitate actor to edit/modify general information of the existing Rural Storage/warehouse in the MIIS application belonging to the regional entity (Regional entity refers District/Block/State under which the Rural Storage/warehouse resides)
Priority: Low/medium/high	Medium
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	CWC/SWC/MARKFED
Trigger	Home Page->Marketing Infrastructure Information System-> CMS->Managing Storage Information->Edit Rural Storage/warehouse
Preconditions:	The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to edit existing Wholesale/terminal

	market's General Information in the System.
Basic Flow	1. System would prompt the actor to enter Rural Storage/warehouse Name , Location
	2. As the actor chooses Rural Storage/warehouse Name, system would display all the General Information specified for that Wholesale/terminal market.
	3. Serial Number/Rural Storage/warehouse Code would be available in read only mode and actor would not be able to edit it.
	4. Following general information related to Rural Storage/warehouse would be available for editing:
	a. Name of the Rural Storage/warehouse: Actor may (re) specify new name of the Rural Storage/warehouse.
	Full Postal Address
	b. Address1 and Address2 : Actor may (re) specify address of Rural Storage/warehouse
	c. City: Actor may (re)select, name of the city under which the Rural Storage/warehouse resides.
	d. PIN Code: Actor may (re)specify Pin Code of the Rural Storage/warehouse ddress.
	e. Email: Actor may (re)specify email id being used for Rural Storage/warehouse related communications
	f. STD Code and Telephone Number: Actor may (re)specify STD Code and telephone number of the Rural Storage/warehouse office.
	g. Year of Establishment: Actor may (re)select year of Rural Storage/warehouse establishment from the calendar being displayed or the actor could manually specify the year.
	h. Population Served (in numbers): Actor may (re)specify number of population/workers in the Wholesale/terminal market.
	i. Geographical Area served by Rural Storage/warehouse(Number of Villages): Actor may (re)specify total number of villages being served by Wholesale/terminal market.
	5. State of regulation
	6. Godown facilities
	7. Rural Storage/warehouse facility
	8. Nearest Railway Station
	9. Distance (km)
	10. Commodities arriving in the market
	11. Commercial grading facility
	12. After specifying all the mandatory details, the actor could choose one of the following links/buttons:

	g. Update: Edited General Information would be saved and System displays the message "General Information of Rural Storage/warehouse has been updated successfully".
	h. Clear: The form details would be cleared without saving details in database.
	i. Close: The form would be closed and the System would return back to Pre Condition.
	j. Cancel: The system would respond with the message, "Would you like to discard the Rural Storage/warehouse General Information?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre Condition. ; If the actor responds with No, the actor would be returned back to the Add General Information screen.
	k. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" General Information.
	l. Freeze & Publish: Updated/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" General Information.
Alternative Flow:	None

Post condition:	**If the actor chooses to Update the information provided, and if all the mandatory fields have been entered, then**
	
	f. The System would respond with the message, "General Information of the Rural Storage/warehouse<<Rural Storage/warehouse Name>> is updated successfully". The actor would be brought back to Pre Condition.
	
	g. Wholesale/terminal market's General Information would be stored in the database.
	
	h. The updated details would be available to **Edit / Freeze & Publish / View/Print General Information** use cases.
	
	If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then
	
	i. The System would respond with the message, "General Information of the Rural Storage/warehouse<<Rural Storage/warehouse Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre Condition.
	
	j. The Details would be available to Un-Freeze /Un-Publish and View General Information use cases.
	
	If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered.
	If the Actor chooses to close, system would clear the record of all information entered and would display the Main Menu Page.

Exceptions:	**Actor attempts to select Edit General Information link when there is no Rural Storage/warehouse exist under any Rural Storage/warehouse type with saved details.**

	The system would respond with the message: "No Wholesale/terminal market, available for editing General Information"
	The actor selects type of the wholesale/terminal market, but no Rural Storage/warehouse exists with the saved general information.
	The system would respond with the message: "No record found under selected Rural Storage/warehouse type"
	The Actor attempts to "update/freeze & publish" without specifying any one of the mandatory fields
	The system would respond with the message:
	"Please specify *<Mandatory Field Name>".*
	For example, if the Actor does not enter Rural Storage/warehouse Name, etc.
	the message displayed would be:
	"Please specify Rural Storage/warehouse Name"
	The Actor attempts to "update/freeze & publish" when Rural Storage/warehouse with the same Name already exists is database.
	The system would respond with the message: "Rural Storage/warehouse Name already exists. Please specify another Rural Storage/warehouse Name."
	The Actor attempts to "update/freeze & publish" when Year of Establishment is not defined in yyyy format.
	The system would respond with the message: "Please specify Year of Establishment in YYYY format"
Business Rules:	7. Following details are mandatory to specify: Type of the Wholesale/terminal market, Rural Storage/warehouse Name.
	8. Rural Storage/warehouse Name should be unique.
	9. Year of Establishment should be defined manually in yyyy format. Otherwise, the system would facilitate to select year from the calendar being displayed. By default, today, month and year would be displayed in calendar. Post-dated entries/year should not be allowed to specify.
Relationships	**Extends** None **Is Extended By** None **Uses** Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

3.2.2.3.5 VIEW STORAGE/WAREHOUSE INFORMATION

Use Case Field	Description
Use Case Name	**View** Storage/warehouse **Information**
Context:	This use case will facilitate actor to view saved/freeze Storage/warehouse details in the MIIS application.
Priority: Low/medium/high	Medium
Frequency: Continuous/ frequent/	Medium

medium/ less/ rare	
Primary Actor:	CWC/SWC/MARKFED
Trigger	HomePage->Marketing Infrastructure Information System-> CMS->Managing Storage/warehouse Profile-> View Storage/warehouse
Preconditions:	The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to view stored Rural Storage/warehouse's General Information in MIIS.
Basic Flow	1. System would prompt the actor to select "Type of the Storage" which s(he) wishes to view. 2. Depending on the selected Storage Type, System would enlist all saved and published records of Cold Storage/ Rural Storage/warehouse General Information displaying Sr.No, Storage Code, Storage Name, License Number and Status ,address, etc 3. The actor may select one record to view. If there is only one record comprising General Information, System will directly show the information to view. 4. After selecting record, the actor could choose one of the following links/buttons: 5. View: Details specified for the selected record would be displayed. 6. Print: Actor may print the display information using this link (Refer common use case Print) 7. Clear: The selected record would be cleared without displaying any information. 8. Close: The form would be closed and the System would return back to Pre Condition.
Alternative Flow:	None
Post condition:	1. All details specified for the selected Storage/warehouse's "General Information" would be displayed and could be printed out. 2. If the Actor chooses to close, system would clear all selected record(s) and would display the Main Menu Page.
Exceptions:	**The Actor attempts to "view" without selecting any record** The system would respond with the message: "Please select at least one record to details" **The Actor attempts to click on the link Storage Information ->"view" when there is no saved/freeze record specified under any Storage type in the system.** The system would respond with the message: "No record available for viewing" **Actor attempts to select Storage Type, but no record available.** The system would respond with the message: "No record available for viewing"
Business Rules:	At least one record is mandatory to select.
Relationships	**Extends** MIIS Main Menu Page **Is Extended By** None **Uses** Login
Special Requirements:	None
Assumptions:	None

Unresolved Issues:	None

3.2.2.4 Managing Transport availability Information

Use Case Name	Purpose of the Use Case	Actor
Add Transport Information	This use case will facilitate actor to specify general information of the whole Transport belonging to the State.	Actor with assigned responsibility to specify Transport information
Modify Transport Information	This use case will facilitate actor to update the Transport information of any whole sale /Terminal Market	Actor with assigned responsibility to specify/edit Transport information
View Transport Information	This use case will facilitate actor to view Transport information	Actor with assigned responsibility to view Transport information

3.2.2.4.1 ADD TRANSPORT INFORMATION

Use Case Field	Description
Use Case Name	Add Transport Information
Context:	This use case will facilitate actor to specify general information of a new Transport being defined in the MIIS application for the belonging regional entity (Regional entity refers District/Block/State under which the Transport resides)
Priority: Low/medium/high	High
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	Actor with the assigned responsibility for specifying Transport details
Trigger	Homepage->Marketing Infrastructure Information System-> CMS->Managing Transport Profile-> General Information-> Add Transport Information
Preconditions:	1. The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to Add New Transport availability's General Information in the System.
Basic Flow	1. Type of the Transport availability: System would prompt the actor to select Type of the Transport i.e. Local/Inter State /National , which s(he) wishes to add in the system. 2. System would prompt the actor to specify following general details about the Transport availability : a. Serial No/Transport Code: System would auto generate the Transport Code/Serial Number to uniquely identify the Transport availability. b. Name of the Transport Actor would specify name of the Transport available being added in the System. c. Name of Contact person : Actor would specify name of the contact person being added in the System. Full Postal Address d. Address1 and Address2 : Actor would specify address of Transport e. City: Actor would select, name of the city under which the Transport resides. f. PIN Code: Actor would specify Pin Code of the Transport address. g. Email: Actor would specify email id being used for Transport related communications

	h. STD Code and Telephone Number: Actor would be required to specify STD Code and telephone number of the Transport office.
	
	3. Transport facility
	
	4. Rate per Distance (km)
	
	5. Capacity of Transport Vehicle
	
	6. After specifying all the mandatory details, the actor could choose one of the following links/buttons:
	
	    a. Save: New Transport is created and System displays the message "General Information of Transport has been saved successfully".
	
	    b. Clear: The form details would be cleared without saving details in database.
	
	    c. Close: The form would be closed and the System would return back to Pre Condition.
	
	    d. Cancel: The system would respond with the message, "Would you like to discard the Transport General Information?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre Condition. ; If the actor responds with No, the actor would be returned back to the Add General Information screen.
	
	    e. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" General Information.
	
	    f. Freeze & Publish: Saved/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" General Information.

Alternative Flow:	None

Post condition:	**5. . If the actor chooses to Save the information provided, and if all the mandatory fields have been entered, then**
	
	    d. The System would respond with the message, "General Information of the Transport <<Transport Name>> is saved successfully". The actor would be brought back to Pre Condition.
	
	    e. Transport availability's General Information would be stored in the database.
	
	    f. The saved details would be available to **Edit / Freeze & Publish / View/Print General Information** use cases.
	
	6. . If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then
	    c. The System would respond with the message, "General Information of the Transport <<Transport Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre Condition.
	    d. The Details would be available to Unfreeze /Un-Publish and View General Information use cases.
	
	7. . If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, the system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative,

	the System would brought back to the details entered.
	8. . 5. If the Actor chooses to Close, the system would clear the record of all information entered and would display the Main Menu Page.
Exceptions:	**The Actor attempts to "save/freeze & publish" without specifying any one of the mandatory fields**
	The system would respond with the message:
	"Please specify *<Mandatory Field Name>"*.
	For example, if the Actor does not enter Transport Name, etc.
	the message displayed would be:
	"Please specify Transport Name"
	The Actor attempts to "save/freeze & publish" when Transport with the same Name already exists is database.
	The system would respond with the message: "Transport Name already exists. Please specify another Transport Name."
	The Actor attempts to "save/freeze & publish" when Year of Establishment is not defined in yyyy format.
	The system would respond with the message: "Please specify Year of Establishment in YYYY format"
Business Rules:	1. Following details are mandatory to specify: Type of the Transport availability, Transport Name.
	2. Transport Code and Transport Name should be unique.
	3. Year of Establishment should be defined manually in yyyy format. Otherwise, the system would facilitate to select year from the calendar being displayed. By default, today, month and year would be displayed in calendar. Post-dated entries/year should not be allowed to specify.
Relationships	**Extends**
	None
	Is Extended By
	Edit Transport Information
	Uses
	Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

3.2.2.4.2 EDIT TRANSPORT INFORMATION

Use Case Field	Description
Use Case Name	**Edit Transport Information**
Context:	This use case will facilitate actor to edit information of a new Transport being defined in the MIIS application for the belonging regional entity (Regional entity refers District/Block/State under which the Transport resides)
Priority: **Low/medium/high**	High
Frequency: **Continuous/ frequent/ medium/ less/ rare**	Medium
Primary Actor:	Actor with the assigned responsibility for edit Transport details
Trigger	Homepage->Marketing Infrastructure Information System-> CMS->Managing Transport Profile-> General Information-> Edit Transport Information
Preconditions:	1. The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to Add New

	Transport availability's General Information in the System.
Basic Flow	**1.The actor shall be given an interface on to enter**
	a. Type of the Transport availability: System would prompt the actor to select Type of the Transport i.e. Local/Inter State /National, which s(he) wishes to add in the system.
	b. Transporter Name
	c. Locality
	2.The System would display the following information about the Transport which the actor can edit
	a. Name of the Transport would be available to edit
	b. Full Postal Address would be available to edit
	c. Address1 and Address2 : Actor would specify address of Transport
	d. City: Actor would select, name of the city under which the Transport resides.
	e. PIN Code: Actor would be available to edit
	f. Email: Actor would be available to edit email id being used for Transport related communications
	g. STD Code and Telephone Number: Actor would be available to edit
	h. Transport facility would be available to edit
	i. Rate per Distance (km) would be available to edit
	j. Capacity of Transport Vehicle would be available to edit
	3.After specifying all the mandatory details, the actor could choose one of the following links/buttons:
	a. Save: Updated Transport details are created and System displays the message "General Information of Transport has been saved successfully".
	b. Clear: The form details would be cleared without saving details in database.
	c. Close: The form would be closed and the System would return back to Pre Condition.
	d. Cancel: The system would respond with the message, "Would you like to discard the Transport General Information?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre Condition. ; If the actor responds with No, the actor would be returned back to the Add General Information screen.
	e. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" General Information.
	f. Freeze & Publish: Saved/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" General Information.
Alternative Flow:	None
Post condition:	**1. If the actor chooses to Save the information provided, and if all the mandatory fields have been entered, then**
	a. The System would respond with the message, "General Information of the

	Transport <<Transport Name>> is saved successfully". The actor would be brought back to Pre Condition.
	
	b. Transport availability's General Information would be stored in the database.
	
	c. The saved details would be available to **Edit / Freeze & Publish / View/Print General Information** use cases.
	
	2. . If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then
	    a. The System would respond with the message, "General Information of the Transport <<Transport Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre Condition.
	    b. The Details would be available to Unfreeze /Un-Publish and View General Information use cases.
	3. . If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, the system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered.
	4. . . If the Actor chooses to Close, the system would clear the record of all information entered and would display the Main Menu Page.

Exceptions:	**The Actor attempts to "save/freeze & publish" without specifying any one of the mandatory fields** The system would respond with the message: "Please specify *<Mandatory Field Name>".* For example, if the Actor does not enter Transport Name, etc. the message displayed would be: "Please specify Transport Name" **The Actor attempts to "save/freeze & publish" when Transport with the same Name already exists is database.** The system would respond with the message: "Transport Name already exists. Please specify another Transport Name." **The Actor attempts to "save/freeze & publish" when Year of Establishment is not defined in yyyy format.** The system would respond with the message: "Please specify Year of Establishment in YYYY format"
Business Rules:	1. Following details are mandatory to specify: Type of the Transport availability, Transport Name. 2. Transport Code and Transport Name should be unique. 3. Year of Establishment should be defined manually in yyyy format. Otherwise, the system would facilitate to select year from the calendar being displayed. By default, today, month and year would be displayed in calendar. Post-dated entries/year should not be allowed to specify.
Relationships	**Extends** None **Is Extended By** **None** **Uses** Home page, Login
Special Requirements:	Rich Text Editor

Assumptions:	None
Unresolved Issues:	None

3.2.2.4.3 VIEW TRANSPORT INFORMATION

Use Case Field	Description
Use Case Name	**View Transport Information**
Context:	This use case will facilitate actor to view saved/freeze Transport details in the MIIS application.
Priority: Low/medium/high	Medium
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	All Internal Users/Actor with the assigned responsibility to view Transport details
Trigger	Home Page->Marketing Infrastructure Information System-> CMS->Managing Transport Profile-> General Information-> View Trasport Information
Preconditions:	The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to view stored Transport availability's General Information in MIIS.
Basic Flow	1. System would prompt the actor to select "Type of the Transport availability" which s(he) wishes to view. 2. Depending on the selected Transport Type, System would enlist all saved and published records of Transport General Information displaying Sr.No/Transport Code, Transport Name and Status ,address, 3. The actor may select one record to view. If there is only one record comprising General Information, System will directly show the information to view. 4. After selecting record, the actor could choose one of the following links/buttons: 5. View: Details specified for the selected record would be displayed. 6. Print: Actor may print the display information using this link (Refer common use case Print) 7. Clear: The selected record would be cleared without displaying any information. 8. Close: The form would be closed and the System would return back to Pre Condition.
Alternative Flow:	None
Post condition:	3. **All details specified for the selected Transport availability 's "General Information" would be displayed and could be printed out.** 4. **If the Actor chooses to close, system would clear all selected record(s) and would display the Main Menu Page.**
Exceptions:	**The Actor attempts to "view" without selecting any record** The system would respond with the message: "Please select at least one record to details" **The Actor attempts to click on the link General Information->"view" when there is no saved/freeze record specified under any Transport type in the system.** The system would respond with the message: "No record available for viewing"

	Actor attempts to select Transport Type, but no record available. The system would respond with the message: "No record available for viewing"
Business Rules:	At least one record is mandatory to select.
Relationships	**Extends** MIIS Main Menu Page **Is Extended By** None **Uses** Login
Special Requirements:	None
Assumptions:	None
Unresolved Issues:	None

3.2.2.5 Managing Credit Linkages availability Information

Use Case Name	Purpose of the Use Case	Actor
Add Credit Linkages Information	This use case will facilitate actor to specify general information of the whole Credit Linkages belonging to the State.	Actor with assigned responsibility to specify Credit Linkages information
Modify Credit Linkages Information	This use case will facilitate actor to update the Credit Linkages information of any whole sale /Terminal Market	Actor with assigned responsibility to specify/edit Credit Linkages information
View Credit Linkages Information	This use case will facilitate actor to view Credit Linkages information	Actor with assigned responsibility to view Credit Linkages information

3.2.2.5.1 ADD CREDIT LINKAGES INFORMATION

Use Case Field	Description
Use Case Name	**Add Credit Linkages Information**
Context:	This use case will facilitate actor to specify general information of a new Credit Linkages being defined in the MIIS application for the belonging regional entity (Regional entity refers District/Block/State under which the Credit Linkages resides)
Priority: **Low/medium/high**	High
Frequency: **Continuous/ frequent/ medium/ less/ rare**	Medium
Primary Actor:	Actor with the assigned responsibility for specifying Credit Linkages details
Trigger	Homepage->Marketing Infrastructure Information System-> CMS->Managing Credit Linkages Profile-> General Information-> Add Credit Linkages
Preconditions:	The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to Add New Credit Linkages General Information in the System.

Basic Flow	1. Type of the Credit Linkage available: System would prompt the actor to select Type of the Credit Linkages i.e. Loans /Kishan Credit Card which s(he) wishes to add in the system.
	
	2. System would prompt the actor to specify following general details about the Credit Linkages available:
	
	    a. Serial No/Credit Linkages Code: System would auto generate the Credit Linkages Code/Serial Number to uniquely identify the Credit Linkages availability.
	
	    b. Name of the Credit Linkages Actor would specify name of the Credit Linkages

available   being added in the System.

    c. Upload the document related to the Credit linkage scheme.

    d. Upload the Forms (if any) related to the Credit linkage scheme.

3. After specifying all the mandatory details, the actor could choose one of the following links/buttons:

    a. Save: New Credit Linkages is created and System displays the message "General Information   of Credit Linkages has been saved successfully".

    b. Clear: The form details would be cleared without saving details in database.

    c. Close: The form would be closed and the System would return back to Pre Condition.

    d. Cancel: The system would respond with the message, "Would you like to discard the Credit Linkages General Information?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre Condition. ; If the actor responds with No, the actor would be returned back to the Add General Information screen.

    e. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" General Information.

    f. Freeze & Publish: Saved/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" General Information.

Alternative Flow:	None

Post condition:	**1. . If the actor chooses to Save the information provided, and if all the mandatory fields have been entered, then**
	
	  a. The System would respond with the message, "General Information of the Credit Linkages<<Credit Linkages Name>> is saved successfully". The actor would be brought back to Pre Condition.
	
	  b. Credit Linkages availability's General Information would be stored in the database.
	
	  c. The saved details would be available to **Edit / Freeze & Publish / View/Print General Information** use cases.
	
	2. . If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then
	  a. The System would respond with the message, "General Information of the Credit Linkages<<Credit Linkages Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre Condition.
	  b. The Details would be available to Unfreeze /Un-Publish and View General Information use cases.
	3. . If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, the system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered.
	4. . . If the Actor chooses to Close, the system would clear the record of all information entered and would display the Main Menu Page.

Exceptions:	**The Actor attempts to "save/freeze & publish" without specifying any one of the mandatory fields** The system would respond with the message: "Please specify *<Mandatory Field Name>"*. For example, if the Actor does not enter Credit Linkages Name, etc. the message displayed would be: "Please specify Credit Linkages Name" **The Actor attempts to "save/freeze & publish" when Credit Linkages with the same Name already exists is database.** The system would respond with the message: "Credit Linkages Name already exists. Please specify another Credit Linkages Name." **The Actor attempts to "save/freeze & publish" when Year of Establishment is not defined in yyyy format.** The system would respond with the message: "Please specify Year of Establishment in YYYY format"
Business Rules:	1. Following details are mandatory to specify: Type of the Credit Linkages availability, Credit Linkages Name. 2. Credit Linkages Code and Credit Linkages Name should be unique. 3. Year of Establishment should be defined manually in yyyy format. Otherwise, the system would facilitate to select year from the calendar being displayed. By default, today, month and year would be displayed in calendar. Post-dated entries/year should not be allowed to specify.
Relationships	**Extends** None **Is Extended By** Edit Credit Linkages Information **Uses** Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

3.2.2.5.2   EDIT CREDIT LINKAGES INFORMATION

Use Case Field	Description
Use Case Name	**Edit Credit Linkages Information**
Context:	This use case will facilitate actor to edit general information of a new Credit Linkages being defined in the MIIS application for the belonging regional entity (Regional entity refers District/Block/State under which the Credit Linkages resides)
Priority: Low/medium/high	High
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	Actor with the assigned responsibility for edit Credit Linkages details
Trigger	Homepage->Marketing Infrastructure Information System-> CMS->Managing Credit Linkages Profile-> General Information-> edit Credit Linkages
Preconditions:	The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to Add New Credit Linkages General Information in the System.
Basic Flow	The Actor shall chose the following :-

1. Type of the Credit Linkage available: System would prompt the actor to select Type of the Credit Linkages i.e. Loans /Kishan Credit Card which s(he) wishes to add in the system.

2. Name of the Credit Linkages

3. System would display the information regarding the input parameters given by the actors. The system shall display the following :-

    a. Serial No/Credit Linkages Code: System would auto generate the Credit Linkages Code/Serial Number to uniquely identify the Credit Linkages availability.

    b. Name of the Credit Linkages Actor would specify name of the Credit Linkages available   for edit..

    c. Uploaded document the related to the Credit linkage scheme can be changed and new document ca n be uploaded

    d. Uploaded Forms (if any) related the related to the Credit linkage scheme can be changed and new document ca n be uploaded

4. After specifying all the mandatory details, the actor could choose one of the following links/buttons:

    a. Save: Updated Credit Linkages is created and System displays the message "General Information   of Credit Linkages has been saved successfully".

    b. Clear: The form details would be cleared without saving details in database.

    c. Close: The form would be closed and the System would return back to Pre Condition.

    d. Cancel: The system would respond with the message, "Would you like to discard the Credit Linkages General Information?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre Condition. ; If the actor responds with No, the actor would be returned back to the Add General Information screen.

    e. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" General Information.

    f. Freeze & Publish: Saved/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" General Information.

Alternative Flow:	None
Post condition:	1. **If the actor chooses to Save the information provided, and if all the mandatory fields have been entered, then** a. The System would respond with the message, "General Information of the Credit Linkages<<Credit Linkages Name>> is saved successfully". The actor would be brought back to Pre Condition. b. Credit Linkages availability's General Information would be stored in the database.

	c. The saved details would be available to **Edit / Freeze & Publish / View/Print** **General Information** use cases.
	
	 2. . If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then
	     c. The System would respond with the message, "General Information of the Credit Linkages<<Credit Linkages Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre Condition.
	     d. The Details would be available to Unfreeze /Un-Publish and View General Information use cases.
	 3. . If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, the system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered.
	 4. . . If the Actor chooses to Close, the system would clear the record of all information entered and would display the Main Menu Page.

Exceptions:	**The Actor attempts to "save/freeze & publish" without specifying any one of the**
	
	 mandatory fields
	
	    The system would respond with the message:
	
	    "Please specify *<Mandatory Field Name>".*
	
	    For example, if the Actor does not enter Credit Linkages Name, etc.
	
	    the message displayed would be:
	
	    "Please specify Credit Linkages Name"
	
	 The Actor attempts to "save/freeze & publish" when Credit Linkages with the same
	
	 Name already exists is database.
	
	    The system would respond with the message: "Credit Linkages Name already exists.
	 Please specify another Credit Linkages Name."
	
	 The Actor attempts to "save/freeze & publish" when Year of Establishment is not
	
	 defined in yyyy format.
	
	 The system would respond with the message:
	 "Please specify Year of Establishment in YYYY format"

Business Rules:	1. Following details are mandatory to specify: Type of the Credit Linkages availability, Credit Linkages Name. 2. Credit Linkages Code and Credit Linkages Name should be unique. 3. Year of Establishment should be defined manually in yyyy format. Otherwise, the system would facilitate to select year from the calendar being displayed. By default, today, month and year would be displayed in calendar. Post-dated entries/year should not be allowed to specify.
Relationships	**Extends** None **Is Extended By** **Uses** Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

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3.2.2.5.3   VIEW CREDIT LINKAGES INFORMATION

Use Case Field	Description
Use Case Name	**View Credit Linkages Information**
Context:	This use case will facilitate actor to view saved/freeze Credit Linkages details in the MIIS application.
Priority: Low/medium/high	Medium
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	All Internal Users/Actor with the assigned responsibility to view Credit Linkages details
Trigger	Home Page->Marketing Infrastructure Information System-> CMS->Managing Credit Linkages Profile-> General Information-> View Credit Linkages
Preconditions:	The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to view stored Credit Linkages availability's General Information in MIIS.
Basic Flow	1. System would prompt the actor to select "Type of the Credit Linkages availability" which s(he) wishes to view. 2. Depending on the selected Credit Linkages Type, System would enlist all saved and published records of Credit Linkages General Information displaying Sr.No /Credit Linkages Code, Credit Linkages Name 3. The actor may select one record to view. 4. After selecting record, the actor could choose one of the following links/buttons: 5. Print: Actor may print the display information using this link (Refer common use case Print)
Alternative Flow:	None
Post condition:	1. All details specified for the selected Credit Linkages availability 's "General Information" would be displayed and could be printed out. 2. If the Actor chooses to close, system would clear all selected record(s) and would display the Main Menu Page.
Exceptions:	**The Actor attempts to "view" without selecting any record** The system would respond with the message: "Please select at least one record to details" **The Actor attempts to click on the link General Information->"view" when there is no saved/freeze record specified under any Credit Linkages type in the system.** The system would respond with the message: "No record available for viewing" **Actor attempts to select Credit Linkages Type, but no record available.** The system would respond with the message: "No record available for viewing"
Business Rules:	At least one record is mandatory to select.
Relationships	**Extends** MIIS Main Menu Page **Is Extended By** None **Uses**

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	Login
Special Requirements:	None
Assumptions:	None
Unresolved Issues:	None

3.2.2.6 Commodity Detials

3.2.2.6.1 ENTER COMMODITY DETAILS

Use Case Field	Description
Use Case Name	**Add Commodity Details Information**
Context:	This use case will facilitate actor to specify general information of a new commodity information being defined in the MIIS application for the belonging regional entity (Regional entity refers District/Block/State under which the Commodity resides)
Priority: Low/medium/high	High
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	Actor with the assigned responsibility for specifying Commodity details
Trigger	Homepage->Marketing Infrastructure Information System-> CMS->Managing Commodity Profile-> General Information-> Add General Information
Preconditions:	The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to Add New Commodity General Information in the System.
Basic Flow	The actor shall be displayed the screen interface for following information:- 1. Name of Commodity 2. Name of variety 3. Season 4. Type of Crop 5. After specifying all the mandatory details, the actor could choose one of the following links/buttons: 　a. Save: New Commodity is created and System displays the message "General Information of Commodity has been saved successfully". 　b. Clear: The form details would be cleared without saving details in database. 　c. Close: The form would be closed and the System would return back to Pre Condition. 　d. Cancel: The system would respond with the message, "Would you like to discard the Commodity General Information?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre Condition. ; If the actor responds with No, the actor would be returned back to the Add General Information screen. 　e. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" General Information. 　f. Freeze & Publish: Saved/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" General Information.

Alternative Flow:	None

Post condition:	1. **If the actor chooses to Save the information provided, and if all the mandatory fields have been entered, then**
	
	  a. The System would respond with the message, General Information of the Commodity Name <<Commodity Name>> is saved successfully". The actor would be brought back to Pre Condition.
	
	  b. Commodity availability's General Information would be stored in the database.
	
	  c. The saved details would be available to **Edit / Freeze & Publish / View/Print General Information** use cases.
	
	2. . **If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then**
	  a. The System would respond with the message, "General Information of the Credit Linkages<<Commodity Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre Condition.
	  b. The Details would be available to Unfreeze /Un-Publish and View General Information use cases.
	3. . If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, the system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered.
	4. . . If the Actor chooses to Close, the system would clear the record of all information entered and would display the Main Menu Page.

Exceptions:	<u>**The Actor attempts to "save/freeze & publish" without specifying any one of the mandatory fields**</u>
	
	  The system would respond with the message:
	
	  "Please specify *<Mandatory Field Name>".*
	
	  For example, if the Actor does not enter Commodity Name, etc.
	
	  the message displayed would be:
	
	  "Please specify Commodity Name"
	
	<u>**The Actor attempts to "save/freeze & publish" when Commodity with the same Name already exists is database.**</u>
	
	  The system would respond with the message: "Commodity Name already exists. Please specify another Commodity Name."
	
	<u>**The Actor attempts to "save/freeze & publish" when Year of Establishment is not defined in yyyy format.**</u>
	
	The system would respond with the message:
	"Please specify Year of Establishment in YYYY format"

Business Rules:	1. Following details are mandatory to specify: Type of the Commodity availability, Commodity Name. 2. Commodity Code and Commodity Name should be unique. 3. Year of Establishment should be defined manually in yyyy format. Otherwise, the system would facilitate to select year from the calendar being displayed. By default, today, month and year would be displayed in calendar. Post-dated entries/year should not be allowed to specify.
Relationships	<u>**Extends**</u> None

	Is Extended By
	Edit Commodity Information
	Uses
	Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

3.2.2.6.2 MODIFY COMMODITY DETAILS

Use Case Field	Description
Use Case Name	**Modify Commodity Details Information**
Context:	This use case will facilitate actor to modify general information of a new commodity information being defined in the MIIS application for the belonging regional entity (Regional entity refers District/Block/State under which the Commodity resides)
Priority: Low/medium/high	High
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	Actor with the assigned responsibility for modifying Commodity details
Trigger	Homepage->Marketing Infrastructure Information System-> CMS->Managing Commodity Profile-> General Information-> modify commodity details
Preconditions:	The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to modify New Commodity in the System.
Basic Flow	The actor shall be displayed the screen interface for following information to get the details of commodity. 1. Name of Commodity 2. Name of variety The commodity details is displayed as follows:- 1. Name of Commodity 2. Name of variety 3. Season 4. Type of Crop The Actor then edits the information 1. After specifying all the mandatory details, the actor could choose one of the following links/buttons: a. Save: updated Commodity is saved and System displays the message "General Information of Commodity has been saved successfully". b. Clear: The form details would be cleared without saving details in database. c. Close: The form would be closed and the System would return back to Pre Condition. d. Cancel: The system would respond with the message, "Would you like to discard the Commodity General Information?" If the actor responds with Yes, then the entered details would be lost and the System would return back to Pre Condition. ;

	If the actor responds with No, the actor would be returned back to the Add General Information screen.
	e. Modify/Edit: Saved/ Un-Published information would be available for modification using the use case "Edit" General Information.
	f. Freeze & Publish: Saved/ Un-Published information would be available for verification, freezing and publishing on the SAP/MIIS Home Page. The actor may publish information using the use case "Freeze & Publish" General Information.
Alternative Flow:	None
Post condition:	1. **If the actor chooses to Save the information provided, and if all the mandatory fields have been entered, then**
	a. The System would respond with the message, General Information of the Commodity Name <<Commodity Name>> is saved successfully". The actor would be brought back to Pre Condition.
	b. Commodity availability's General Information would be stored in the database.
	c. The saved details would be available to **Edit / Freeze & Publish / View/Print General Information** use cases.
	2. . **If the actor chooses to Freeze & Publish the information provided, and if all the mandatory fields have been entered, then**
	a. The System would respond with the message, "General Information of the Credit Linkages<<Commodity Name>> has been frozen successfully" and the freeze details would be published successfully on the SAP/Home Page of the MIIS. Actor would be brought back to Pre Condition.
	b. The Details would be available to Unfreeze /Un-Publish and View General Information use cases.
	3. . If the Actor chooses to clear the information provided, System would respond with the message," All entered data will be lost. Would you like to continue?" if actor responds in affirmative, the system would clear all information entered and bring back to the condition as specified in step 1. If actor responds in negative, the System would brought back to the details entered.
	4. . . If the Actor chooses to Close, the system would clear the record of all information entered and would display the Main Menu Page.
Exceptions:	**The Actor attempts to "save/freeze & publish" without specifying any one of the mandatory fields**
	The system would respond with the message:
	"Please specify *<Mandatory Field Name>".*
	For example, if the Actor does not enter Commodity Name, etc.
	the message displayed would be:
	"Please specify Commodity Name"
	The Actor attempts to "save/freeze & publish" when Commodity with the same Name already exists is database.
	The system would respond with the message: "Commodity Name already exists. Please specify another Commodity Name."
	The Actor attempts to "save/freeze & publish" when Year of Establishment is not defined in yyyy format.

	The system would respond with the message: "Please specify Year of Establishment in YYYY format"
Business Rules:	1. Following details are mandatory to specify: Type of the Commodity availability, Commodity Name. 2. Commodity Code and Commodity Name should be unique. 3. Year of Establishment should be defined manually in yyyy format. Otherwise, the system would facilitate to select year from the calendar being displayed. By default, today, month and year would be displayed in calendar. Post-dated entries/year should not be allowed to specify.
Relationships	**Extends** None **Is Extended By** Edit Commodity Information **Uses** Home page, Login
Special Requirements:	Rich Text Editor
Assumptions:	None
Unresolved Issues:	None

3.2.2.6.3 VIEW COMMODITY DETAILS:

Use Case Field	Description
Use Case Name	**View** Commodity Details:
Context:	This use case will facilitate actor to view saved/freeze Credit Linkages details in the MIIS application.
Priority: Low/medium/high	Medium
Frequency: Continuous/ frequent/ medium/ less/ rare	Medium
Primary Actor:	All Internal Users/Actor with the assigned responsibility to view Credit Linkages details
Trigger	Home Page->Marketing Infrastructure Information System-> CMS->Managing Credit Linkages Profile-> General Information-> View Commodity Details:
Preconditions:	The actor must log on to the package with access rights of Marketing Infrastructure Information System and assigned responsibility to view stored Credit Linkages availability's General Information in MIIS.
Basic Flow	1. System would prompt the actor to select "Type of the Commodity which s(he) wishes to view. 2. Depending on the selected Commodity Type, System would enlist all saved and published records of Commodity displaying Name of Commodity; Name of variety; Season; Type of Crop 3. The actor may select one record to view. 4. After selecting record, the actor could choose one of the following links/buttons: 5. Print: Actor may print the display information using this link (Refer common use case Print)
Alternative Flow:	None
Post condition:	3. All details specified for the selected Credit Linkages availability 's "General Information" would be displayed and could be printed out. If the Actor chooses to close, system would clear all selected record(s) and would

	display the Main Menu Page.
Exceptions:	**The Actor attempts to "view" without selecting any record** The system would respond with the message: "Please select at least one record to details" **The Actor attempts to click on the link General Information->"view" when there is no saved/freeze record specified under any Credit Linkages type in the system.** The system would respond with the message: "No record available for viewing" **Actor attempts to select Credit Linkages Type, but no record available.** The system would respond with the message: "No record available for viewing"
Business Rules:	At least one record is mandatory to select.
Relationships	**Extends** MIIS Main Menu Page **Is Extended By** None **Uses** Login
Special Requirements:	None
Assumptions:	None
Unresolved Issues:	None

Information of Grading and standardization will come from http://agmarknet.nic.in/agm_std1.htm by the web services.

3.3 Performance Requirements

The software package can be operated as independent system. The amount of transactions generated by the software can be very well tackled by the computer system as proposed.

User may be familiar with operating of computer applications. Software package can be operated using mouse or keyboard. Package will provide consistent look and feel as well proper navigation for easy usability.

3.3.1 Scalability Requirements

The system is scalable and can be rolled out to all the states in Pan India after the pilot implementation in 7 states. As the basic processes having transactional flows like CMS, Expert Advisory systems etc have same processes throughout India.

3.3.2 Response Time

It will take less time (in seconds) for database access/update transactions. However, for report generation and query retrieval

it may take sufficiently more time depending on data volume and complexity of queries.

- The response time should be as follows:
- 90% of the responses should be within 2 sec
- 5-10 second: For user operation on data (for e.g. sorting of data in a column) or (5 to 50 records per page up to max of 100,000 records)
- 10-20 second: For user awaiting response from the system upon executing a transaction (for e.g. a query/update).
- 1 minute – Unacceptable response time

3.3.3 Design Constraints

- System shall store and retrieve persistent data.
- System shall support PC and all other platforms available commonly.
- The system must be designed to allow web usability. That is, the system must be designed in such a way that will be easy to use and visible on most of the browsers

3.3.4 **Software System Attributes**

3.3.5 **Usability**

The Screens should be designed for ease of use by non technical users who do not have any computer knowledge. The GUI design shall be intuitive and task-based without any superfluous design. The design should adopt the following principles:

- Use relative font size so that a user can easily change overall font size from the browser interface.
- Text equivalents should be given for all graphics.
- Application should function even if Javascript, CSS and Frames are turned off.
- **Navigability** –The user should be able to perform operations without having to navigate through multiple pages/links – No operation should require more than 2 to 3 clicks.
- **Familiarity** – The system's interfaces and navigations should be based on other systems that the users are familiar with.
- **Administration** – The system should not require any administration tasks at the user level. Interfaces should be available for administration/setup operations.
- **Help** - The system should come equipped with Computer based tutorial in English and ten other languages for users to "self-Solve" any navigability or operational doubts.
- **Standards Adherence** – The system should adhere to commonly accepted standards of web-design (such as acceptable size of web pages, minimal images, small style sheets etc)

3.3.6 **Reliability**

- From the application portal, it is expected that there shall not be any bug and the system shall be tested on end cases to offer user a quality and reliable package.

- Due to any human interventions, the system should not behave abnormally.

3.3.7 **Availability**

Application shall be up and running and must be available 24x7 and any one shall be able to connect to it from anywhere. It shall trap all errors and prevent users from accessing unauthorized areas of the application. In case of application or a hardware failure, the system should re-initiate immediately. In case of a possible hardware failure or corruption of database the system administrator should immediately restore the backup.

3.3.8 **Security**

The system should have protection against

- Unauthorized creation/modification/publishing of data - through user name and password authentication as defined for relevant user groups.

- Unauthorized viewing of data - through user name and password authentication as defined for relevant user groups.

- The software should adhere to security guidelines, standards and policies prescribed by NIC's Security Division and should be audited & certified for compliance to these standards by Security Division before it is hosted in Production Environment.

- The software should be protected against any unauthorized access to the software.

3.3.9 **Maintainability**

In order to ensure maintainability of the application, the following should be insured

- The application will be designed and developed based on the instructions given by NIC / DAC. Software Code must be modular and well documented

- All the artifacts related to the software such as code, SRS, User Manual etc. should be well documented and self-explanatory for any programmer to understand. Detailed documentation shall be available at each stage for easy comprehensions of the application system.

- All documents shall be prepared as per the defined documentation standards.

- The system administrator shall take regular back up of the database.

3.3.10 **Portability**

The software will be hosted / installed in the environment as decided by NIC/DAC later on.

3.3.11 **Language Support**

1. MIIS will support the entry and display of :
   a. All Indian scripts such as Hindi, Tamil, Malayalam including English.

b. The application will store data using Unicode representation.

2. Only languages where Unicode font file and keyboard manager/driver are available will be supported.

The software will provide local language support for all textual descriptions, help messages etc. It will be decided by NIC/DAC at the later stage of development.

3.3.12 Interoperability

The software will interoperate with other software applications which are being developed under National e-Governance Program, Mission Mode Project, in particular Central Agriculture Portal and State Agriculture Portal. The following are the likely points of information exchange/reconciliation:

- State Codes/Names
- Panchayat Codes/Names
- Scheme Code/Names
- Scheme component Code/Names

3.3.13 Other Requirements

- Team of skill resources needs to be deputed specifically to run the system at centre and state level
- Regular updations from the side of Centre and State based on the requirements
- Systems used for running the portal at different stakeholder's place needed to be capable to run the application smoothly.
- 24X7 internet connectivity is must to run the system smoothly.
- Supply of the stationary related to the system should be there based on the requirements.

4. LOGICAL DATA DETAILS

S.No	Attribute Name	Attribute Type
1.	Type of the Mandi	Text
2.	Serial No/Mandi Code	Number
3.	Name of the Mandi	Text
4.	Year of Regulation	Dd/mm/yyyy
5.	Name of the Market Legislation:	Text
6.	Type of Legislation: i.e. Elected/Nominated/Superseded APMC from the dropdown enlisting types.	Text
7.	Number of commodities notified under regulation (if mandi type is regulated): Actor would specify number of the commodities which are notified under the regulation.	Number
8.	Name of the Chairman or Administrator (If market type is regulated):	Text
9.	Name of the Owner or Manager (If market type is un-regulated)	Text
10.	Address	Text
11.	City:	Text
12.	PIN Code:	Number
13.	Email:	Text
14.	STD Code and Telephone Number:	Text
15.	Name of Secretary:	Text
16.	Number of Permanent Employees (Supervisory):	Number
17.	Number of Permanent Employees (Administrative):	Number
18.	Number of Temporary Employees (Supervisory):	Number
19.	Number of Temporary Employees (Administrative):	Number
20.	Market Holiday(s):	Text
21.	Market Hours (in hh: mm):	Number
22.	Transport Type/Mode of transport: Actor would be required to select type of the transport from the dropdown enlisting all transport types specified in the system. For eg. Road Transport, Rail Transport etc.	Text
23.	Name of the Transport: Actor would specify name of the transport like Truck, Bullock Cart	Text
24.	Transport Availability (Frequent/Rear): Actor would select	Text

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	weather the selected transport type is frequently/easily available to use.	
25.	Transport Type Use (For dispatch to various stations/dispatch to mandi's):	Text
26.	Availability of transport facility (through Transport Union/Self):	Text
27.	Transportation Charges:	Number
28.	Procedure for availing Transport:	Text
29.	Name of the nearest Railway Station:	Text
30.	Distance of the Railway Station from the market (in Kilometers	Number
31.	Name of the nearest National/State Highway	Text
32.	Name of the Commodity: Mandi.	Text
33.	Arrival Starts (Month):	Text
34.	Peak Arrivals (Month):	Text
35.	Arrival Ends (Month):.	Text
36.	Average daily dispatches to outside market during the season (in Tons/Metric Tons): S	Number
37.	Average daily dispatches to outside market during the peak months (in Tons/Metric Tons):	Number
38.	Name of the Processing Unit:	Text
39.	Name of the major Traditional Markets to which produced Commodity is sent	Text
40.	Weather produce is cleaned/ graded before sale (Yes/No):	selection
41.	Transport Code:	Number
42.	Name of the Transport	Text
43.	Name of Contact person:	Text
44.	Transport facility	Text
45.	Rate per Distance (km)	Number
46.	Capacity of Transport Vehicle	Number
47.	Credit Linkages Code:	Number
48.	Name of the Credit Linkages	Text
49.	Name of Commodity	Text
50.	Name of variety	Text
51.	Season	Text
52.	Type of Crop	Text

5. ANNEXURE

- **Agricultural Marketing Infrastructure – Madhya Pradesh**

o Infrastructure consists of a combination of national assets which sustain the addition of place, time and form utilities to the products and services. These include apart from the Government institutions and organizations, roads, railways, warehouses, market yards, cold stores, processing units, research and training institutions, means of communication and transportation including air cargo, sea cargo etc. The basic rationale of any infrastructure is the sustenance it provides to production activity, income generation and social service supplies.

o The relationship between agricultural development and investment in infrastructure has been long recognized. Roads stimulate agricultural change and modernization not only through their immediate effects on relative prices and marketing opportunities but also through backward linkages. The roads open up opportunities for commercial agriculture and encourage shifts to production of higher value, transport – sensitive products (fruits, vegetables, dairy, poultry and marine products). Roads also improve access of the people to extension agents, banks, markets and health services. Market infrastructure is important not only for the performance of various marketing functions and expansion of the size of the market but also for transfer of appropriate price signals leading to improved marketing efficiency. Infrastructure facilities lead to reduction in marketing costs which is crucial for increasing the realization of growers and reducing the costs to the consumer.

o The infrastructural facilities can be classified as physical and institutional. The roads, railways, transport facilities, electrification and storage structures are physical infrastructure whereas cooperatives, local self-government, banking institutions, extension agencies, marketing organizations and market intelligence net work are institutional infrastructure. For over four decades after independence, the public sector in India held a monopoly in the provision of most of the infrastructures. Till 1991, when the current period of economic reforms started, electricity, railways, roads, telecommunications, postal services and ports were among the sectors reserved for the public sector. However, after 1991, virtually all sectors of infrastructure have been opened to private investment. Nevertheless, for providing infrastructure in remote and difficult areas, the public sector would need to continue to play an important role.

o Market Surplus: In order to assess the adequacy of agricultural marketing infrastructure in the country, it is imperative to estimate the availability of agricultural production and marketed surplus.

o From the view point of complete supply chain, from farm to the market, the infrastructure for all types of perishable horticulture produce is required at following levels:

o Small pre-cooling units and or zero-energy cool chambers in the production areas where the field heat of the produce is to be removed at fast rate to bring down the temperature of the produce to the desired level before putting the product in the cold storages. The refrigerated transport units from the farm to the cold storages are also utilized as mobile pre-cooling units for this purpose;

o Collection Centers near to the farms;

o Medium to small cold storages having multi-product, multi-chamber facilities are the most popular segment where horticulture produce is stored as transit godowns;

o Specialized cold storage with facility of built in pre-cooling; high humidity and Controlled/Modified Atmosphere are required for storage of the produce for a longer period. These specialized storages are essential for extended shelf life of the produce and without these storages the requirement of storing the produce to meet the demand in the off season is not feasible;

o Other components like ripening chambers close to the markets and display cabinets at retail outlets;

- o Linkages for conversion of fresh produce in other marketable forms;
- o Integrated Pack Houses to serve farms in respective regions having an area of around 5000-10000 hectare. Farms associated with each of the centers would collect farm produce and bring them to common cold storage centers, where these products could be given treatments, such as washing, sorting, grading and packing. These products will then be preserved in the appropriate cold storage facility. The services of these centers will not only increase the value of the farm product, but will also remove most of the unwanted bio-degradable bio-mass from the horticulture products, which can be utilized as farm manure or even as cattle feed.
  - o The electronic trading would be more appropriate form of direct marketing between different buyers and sellers. Every market committee should be provided with facility of electronic trading by setting up a special kiosk for the purpose. The young entrepreneur who can set up portals on their own to provide such facilities could be supported financially through a plan scheme. Their responsibilities would include to inform the buyers and sellers about online demand of different products; product specifications with regard to quality, pack size, packaging material, quantity and the time frame of supply; the transport cost involved and the marketing charges likely to be incurred in the market where the goods are to be delivered; facilities available to the farmer in the buying market; Re-handling of the produce, if necessary, in the supplying market to suit to the requirement of the buyer market; the rules and regulations of the destination market, if it is located outside the state at distant place, and other specific information as may be conducive for the seller to transact the business with the purchasers; and the legal provisions related to storage, transportation, phyto-sanitary requirements etc.
  - o Telephone is the most convenient way of communication which can reduce cost of marketing besides meeting other needs in the villages. However, upto March 2001, only 59 per cent of 6,70,000 villages were connected by telephone. The tele-density i.e. number of telephones per hundred population was only 3.5 per cent compared to an average of 16 in the world and 60 in the developed world. Though, it has been targeted to increase this to 7 per cent by 2005 and 15 by 2010, the progress seems to be slow. There is a need to speed up the investment in this regard. Telephone connection technology by telephone lines seems to be slow and requires heavy investment for laying telephone lines. Therefore, the option of wireless technology (WCL), should be examined. The Committee recommends that all the remaining villages should be connected within five years. Also, at the same time e-communication should be encouraged either through village panchayat or private entrepreneurs. Such communication or Cyber Café or village kiosks can become information centers.

- • Rural Connectivity: Rural roads constitute one of the most important marketing infrastructure which reduce the cost of production and marketing by providing external economies to farmers, traders and public at large. It is well known that investment in infrastructure of this type has very high returns to the society. The status of rural roads in India indicates that only 47.83% villages were covered with roads till mid 90s as can be seen from the Table below:

Group of villages with population	Villages connected with road	% age of villages connected	Villages not connected with roads	% age of villages not connected	Total
<1000	172062	37.45	280733	63.55	452795
1000-1500	44031	75.88	13904	24.12	57935
>1500	65698	91.73	5713	8.73	71411
Total	**281791**		**300350**		**582142**

Table – Details of Road Connectivity in India

- Source: Govt. of India, Handbook of Transport Statistics in India , 1999, Ministry of Surface Transport.
- Therefore, there is an urgent need for investment in providing connectivity to remaining villages. Considering average road length as 4 km., to connect each village with the main road, public yard or sub-yard, the total length of rural roads required to connect to remaining 3.7 lakh villages comes to around 14.8 lakh kms. If average cost is taken as Rs.5 lakhs per km, the investment requirement is Rs.74,000 cores. Though the Government of India has made special provision for link roads in rural areas under Prime Minister's programme there is a need for additional investment.
  - Physical Facilities in Markets: Agricultural produce markets established under market regulation programme have been playing an important role in providing market places to the farmers to dispose off their produce. These have also provided physical facilities and an institutional environment to the traders, processors and other market functionaries for conduct of their trading activities. The studies revealed that farmers, on an average, get a reasonably higher price by selling their produce in the regulated market yards compared to rural, village and unregulated wholesale markets.   Most of the regulated market yards in the country at present lack facilities for handling the produce arriving there. The space for auction platform is less and the number of shops and godowns in the premises is small. It reduces the effective participation of traders. Absence of storage godowns at market level further perpetuates the problems of traders in general and continuous movement of goods in particular. The number of fruit and vegetables markets brought under regulation is small. Further the markets, which have been exclusively developed for handling of fruits and vegetable, do not have sufficient facilities for handling the produce available in the area.
  - The Directorate of Marketing and Inspection and several state governments have assessed the requirements of investment for development of market yards in respective states. Though several questions relating to the desirability of continuing with government sponsored market yards are being raised, the Expert Committee is of the view that creation of physical infrastructure at primary market places is absolutely essential irrespective of the institutional arrangements for managing these yards. As shown in Annexure-III, the investment requirement for development of market yards/sub-yards during the next ten years is estimated at Rs.6026 crores.
- Specialised Markets: Apart from general purpose markets, there is need for developing specialized markets for fruit and vegetables. It has been assessed that there are at least 241 such places in the country where fruit and vegetables markets should be developed.   The infrastructure required for such markets depends on the volume of arrivals which in turn depends on the size of population to which these markets cater. The investment requirement for fruit and vegetables markets in the country is around Rs.970 crores. The details are tabled below:
- **Investment Requirements for Development of Fruits and Vegetables Markets**

(Rs. In crores)

Size of Population	No. of Markets	Investment Required
1 to 2 lakhs	126	252

2 to 5 lakhs	72	288
Above 5 lakhs	43	430
Total	**241**	**970**

- Farmers' Markets: Several State Governments have initiated a process of direct marketing by producers to the consumers. The states of Punjab , Haryana, Rajasthan, Tamil Nadu and Andhra Pradesh have established Apni Mandi in their areas. However, this has been promoted so far only at the state headquarters and at some district headquarters. There is a need to promote these in all the districts. The Committee recommends that farmers markets be promoted in all the districts of the country to accelerate the process of direct marketing by the farmers.

- Rural periodic market is the first contact point for producer – sellers for encashing their agricultural produce and buying other goods needed by them. There are in all 27294 rural periodic markets including those for livestock, in the country.   But even minimum necessary infrastructural facilities do not exist in most of these rural periodic markets. There is urgent need to develop these rural periodic markets in a phased manner with necessary infrastructure amenities to have a strong base level link in the marketing chain. Once developed, these places, where periodic markets function, can also serve as farmers/consumers markets. The investment requirement for developing these primary rural market places is estimated at Rs.2146 crores (Annexure-III).

- Storage/Warehousing: Storage infrastructure is necessary for carrying over the agricultural produce from production periods to consuming periods. Lack of adequate scientific storage facilities cause heavy losses to farmers in terms of huge wastage in quantity and quality of products in general and of fruit and vegetables in particular. Seasonal fluctuations in prices are aggravated in the absence of proper scientific storage facilities. Central and State Warehousing Corporations have constructed warehouses in the different States. Food Corporation of India and some State governments have also created warehousing facilities and godowns. The total covered storage capacity available with FCI., CWC and SWC is estimated at 26.4 million tonnes. In addition, storage capaciaty of around 25.3 million tonnes is available with public, private and cooperative sectors. In the background of 200 million tonnes production the available storage capacity of 52 million tonnes is quite inadequate. It is estimated that about 20 million tons of grains are stored in the form of CAP(Covered & Plinth). This clearly shows that the country needs much more facility than what is available now. This is specially more important for hill and remote areas in several states.   For an additional 20 million storage capacity the investment required @Rs.2700 per tons is Rs.5400 crores. The private sector needs to be encouraged to enter the storage and warehousing activity and make investment of this magnitude.

- The Finance Minister in the 2001-2002 Budget has announced creation of Rural Godowns for non-perishables on the lines of construction of cold storages under the back-ended subsidy scheme implemented by the National Horticulture Board. In this connection, in the light of past experience, the Expert Committee recommends that definition of rural godown should include a house, warehouse located in a rural area where a rural periodic market/market yard/sub-yard/collection centers for different agricultural commodities already exists.   It may also include D class municipalities or harvesting centers. Any private entrepreneur, cooperative, APMCs, SWC/CWC, registered NGOs, Farmers Registered Organisations, Accredited microcredit organisations and shelf-help groups should be eligible to construct and operate rural godown under the scheme.

- The Godowns should be of viable capacity and rat proof with scientific storage following the specification drawn by CWC/SWC. The growers/process's, State procurement agencies, wholesalers, other agencies involved in PDS etc. should be included as potential users. The subsidy to the construction of godowns may be limited to 25% of the total cost. The godowns should be declared as deemed warehouses under the State Warehousing. APMC market fee, sales tax, purchase tax, octroi etc. should not be leviable on the goods stored. Similarly, provisions of Essential Commodity Act, Labour Act, Mathadi Act, Shop Establishment Act, Industrial Disputes Act etc. should not be applicable to these Warehouses. The material stored in rural godowns should be backed by warehousing receipts with common regulatory framework for negotiability. The godown owners/operators should be permitted to play the role of on-lender so as to channel credit to potential users. Considering the importance of rural godowns to farmers, bankers/financiers should be allowed maximum spread of 2% or less over the NABARD refinance rate.

- Cold Storage: India produces 134.5 million tons of fruit and vegetables and the output is likely to go up during the next 10 years. It is a matter of concern that more than 30 per cent of fruits and vegetables produced in the country are lost due to lack of proper handling, stoarge and procesing facilities. Cold storages are most important infrastructural need for perishable and semi perishable commodities which need an immediate attention. Presently a total of 4199 cold storages are existing in the country with a total storage capacity of 15.38 million tonnes. The sector-wise availability of storage capacity is given below:

- Sector-Wise Distribution of Cold Storage Facilities(as on 31st March 2001)

S. No.	Sector	Number of cold storages	Capacity(Lakh MT)
1	Private	3739	146.13
2	Co-operative	310	6.80
3	Public	150	0.91
4	Total	4199	153.85

- The present storage capacity available is sufficient only for 10 per cent of total production of fruits and vegetables. In the next 10 years with the anticipated increase in production of fruit and vegetables and other perishable commodities, the cold storage capacity requirement would be much higher. Foreseeing the future requirements of the fresh/precooked/frozen fruits and vegetables and their products as well as anticipated change in the food habits in favour of processed food, the capacity requirement for post harvest management of perishables is estimated at more than five times the presently available capacity. In the next 10 years, 15000 additional cold storage units with a capacity of 45 million tonnes should be created. The additional capacity requirement would need an investment of the order of Rs.27,000 Crores. The investment should basically be made by the private sector only. In future, there would be a need for multi-chamber type of cold storage units for various perishable and other products. For encouraging private entrepreneurs there is a need to provide subsidy to make the units viable for some initial years. This apart, the regulatory arrangements should also be reviewed and simplified for attracting private investment in this venture. There is a need to provide incentives in reducing current expenses such as tax relief in electricity.

- Reefer Vans/Containers: The country would also require reefer container/vans for transport of perishable items for domestic and export marketing. At present their availability in the country is negligible in comparison to the present production of

perishable commodities. For handling the expected higher production in the next 10 years, at least 3000 reefer containers/vans with a capacity of 8 tons each would be required. This would require an investment of Rs.600 crores, which should be encouraged in the private and cooperative sector. There is a need to encourage the investors in this area by providing incentives.

- Cleaning, Grading and Packaging: The importance of these facilities can be hardly over emphasized. At present, the grading facility is available only in 1321 markets out of total number of 7127 regulated markets. The quantity graded at producers level is almost negligible. There is a need to create facilities for cleaning, grading and packaging not only at primary level but also in the villages from where produce is brought to the market for sale. In the absence of such facility at the village level, the kind of pollution and congestion created at market yards during the peak arrivals period is well known. The APMCs should encourage private entrepreneurs to promote such units in or around the yard/sub-yards. There is need to promote proper packaging after grading so that further chances of adulteration or temptation may not be there. Besides this there is a strong need to educate the farmers for proper packaging and grading before they bring the produce to the market. Scientific packaging should be encouraged at the farm level through subsidy support. The Expert Committee feels that this is an important activity, and an investment of Rs.2000 crores should be earmarked for this purpose during the next 10 years.

- Export Zones and Food Parks: With a view to taking advantage of new international trade environment, there is a need to encourage export of high value traditional/non-traditional products grown in various parts of the country. Commodities having export potential are several fruits and vegetables, raw as well as processed and packed spices like cumin, fennel, coriander and other farm products like fenugreek and hena for which there is significant demand by Indian Diaspora and others in several countries. However, there is a need to educate and train the growers of these crops in producing, grading and packing for overseas markets and create necessary infrastructure. A scheme of creating Export Oriented Agri-Zones (EOAZ) has been announced by the Govt. of India (Ministry of Commerce) which should be promoted by providing institutional and physical infrastructure in each of these as per the needs of the specific commodity. In some of EOAZs, there is also a need to establish what is called Food Parks. In these parks, some common facilities like electricity and warehouse should be created with central government assistance which will help in attracting investment by the private sector and the state government. While most of the investment should be made by the private entrepreneurs, as a way of incentive, government should invest in common facilities, and quality certification. The estimated public investment is Rs.200 crores and private investment of around 400 crores on fifty such EOAZs. In identification of EOAZs and Food Parks , the Government of India, through APEDA and DMI should take an active stance, rather than leaving it to the state governments. The Committee further recommends that commodity wise export potential studies be commissioned before establishing EOAZs.

- Processing and Value Addition: Considering the increase in demand for value added and processed products, there is a need to enhance the capacity of agro-processing sector. This will not only help in stabilizing the prices realized by farmers but also in creating employment in rural areas. The food-processing sector alone provides tremendous potential in this area. For attracting private initiative and investment in food processing, the Government of India through Department of Food Processing and National Horticulture Board have already formulated several schemes of assistance. A ten year tax holiday has been announced. However, the state governments should also come forward

and grant relief in terms of sales tax and other local taxes on processed products. Cheaper processed products will expand demand for such products.

- At present, value addition is estimated at only seven per cent and processing only two percent of the total production. Within next ten years, there is a need to increase value addition to 35 percent and processing to atleast 10 percent. Quality control and standardization will be extremely important in this endeavour. The Central government should establish or encourage a network of food analysis laboratories in the country. This will also be necessary to face competition from imported processed products.

- The investment potential in value addition and food processing is quite large. According to our esimates, the potential is Rs.150,000 crores. If conducive policy environment and incentive frame work is created, private sector can be attracted to make investment of this magnitude. The state-wise details of investment potential in food processing are given in Annexure-IV.

- Sources of Investment: The investment potential in agricultural marketing system is quite considerable. The investment in agricultural marketing system will go a long way in making agricultural sector vibrant and enable it to face the competition of liberalized international trade environment without adversely affecting the livelihoods of those who depend on farming. However, for realizing the potential of investment, a major part of which need to come from the private sector, a conducive and favourable environment would have to be created. For attracting the private sector investment at a level visualized by the Expert Committee, there is a need for (a) making complementary investment by the State and Central government; (b) subsidizing a few activities to enable the private sector initiatives to attain viability; (c) active stance by the Central government in some initiatives; (d) reducing the regulatory controls and simplifying the procedures; and (e) ensuring adequate credit flows to agricultural marketing activities. It is in this context, that the Expert Committee recommends that agricultural marketing and trade activities like construction of storage structure; rural godowns; cold storages, reefer vans; cleaning, grading & packing houses; export oriented agri-zones; and agro – processing and value addition should be included under the definition of priority sector for the purpose of lending by financial institutions.

- For a long term sustainable and integrated development of horticulture a fresh look is also required to be taken at some of the legal provisions as laid down under various acts and rules framed there under. The following are important:-

- Excise Laws: Presently the alcoholic beverages based on fruit & vegetables are clubbed with other alcoholic beverages. Whereas world over items like wines and beer which are based on fruit & vegetables and have low content of alcohol (ranging below 11-12%) are considered as items of food and are promoted as health drinks. With removal of quantitative restrictions there is a possibility that larger quantity of such beverages will be imported into the country. This sector has not developed in India so far because the Excise laws have implications both in terms of financial pricing of the products as well as restrictive legal frame work for setting up and operation of units for the manufacture of these health drinks. The Government of India has given a boost to the industry based on fruits & vegetables by allowing a complete exemption to the products from Excise Duty, as per the declarations in the Budget for 2001-2002. However, this declaration covers the items like pickles, sauce, ketchup and juices, etc. It is proposed that a similar treatment be given to the alcoholic drinks based on fruit & vegetables such as beer, wine, tadi and apple-cider and other similar range of products.

- Minor Forest Produce – Under Forest Act : Presently a variety of products are being collected by petty contractors by ruthless exploitation from the forests. The policy should allow the production of such items on commercial basis on private lands. The

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forest laws should be amended to this effect. To cite some examples, the following fruits are regularly picked from the wild plants by the villagers and offered for sale in towns. These fruits fetch very good price and there is already trading worth lakhs of rupees in these fruits. So it is worthwhile to grow these fruits on regular scale as orchard or wasteland crops.

- Wild pomegranate
- Kaphal (Myrica nagi Thunb)
- Wild fig
- Lassora (Cordia oblique Wild)
- Similarly, there are vast varieties of forest produce falling into the sub-categories of horticulture e.g. herbs, medicinal plants, vegetables, spices, flowers, honey, mushrooms, staple food supplements like buckwheat in the hills, etc.
- Narcotic Drugs and Psychotropic Substances Act, 1985 :   The present legal frame work is restrictive to the extent that it discourages the commercial production of the narcotic items which can be converted into pharmaceutical products. Therefore, provisions may be created for a balanced development for cultivation and processing of such items.
- Plantations – A New Definition :   The word "Plantation Crops" as mentioned in some labour laws and Land Ceiling Act has a rather limited meaning pertaining mainly to coffee, tea, rubber, etc. To cover a large number of crops under plantations with a more rationale and more scientific approach is need of the day. If plantation is used as generic term for an advanced form of agriculture where various types of management from the selection of land, selection of species to be grown, the financial support, the management of labour, the processing and marketing are all done at a higher level than what is done for ordinary agricultural crops, the horticulture is bound to get a fillip. The existing legal framework will open new avenues for development of entire horticulture sector if production of fruit & vegetables, medicinal & aromatic plants, spices, is also brought under the definition of plantation.