



2012



Maharashtra - State Agricultural Portal Software Requirement Specifications

"The State Agriculture Portal would be the front end for all the services' delivery in Agriculture MMP. A farmer would typically come to SAP to find information / avail any service through CSC / Internet."



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Amendment Log

Version Number	Date	Change Number	Brief Description	Sections change
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1.1	30/04/2012		Changes affected as per State Agriculture Department of Maharashtra	
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1.3	14/09/2012		Changes affected as per State Agriculture Department of Maharashtra	Introduction i.e. Section 1, 2.1, 2.1.6, 2.1.3, 2.4.1, 2.4.3, 3.2.1, 4.1.1 to 4.1.7, 4.3.23
1.4	15/10/2012		Background, Profile of state-Geography, Important Basics at glance, Climatic conditions, Maharashtra – Agriculture Sector, Major developments in Agriculture in Maharashtra, Agriculture Export Zones, Agricultural Infrastructure, Crop Production Statistics, Agro-climatic zones of Maharashtra, Key initiatives of the department, Maharashtra – Animal Husbandry and Dairying Sector, Department of Animal Husbandry- Functions, Aims and objectives, Maharashtra – Fisheries Sector, Fisheries Resources of Maharashtra, Department of Fisheries, National Fisheries Development Board, Website of Department of Animal Husbandry, Maharashtra, Maharashtra Animal and Fishery Sciences University, Website of Department Fisheries, Change in State Agricultural Portal - home page View to include Animal Husbandry and Fisheries images, Analysis of major websites in Agricultural Sector of Maharashtra State	Addition of sections -In section 1, sub-section 1.1, 1.2, 1.2.1, 1.2.2, 1.2.3, 1.3, 1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6.2, 1.4, 1.4.1, 1.4.1.1, 1.4.1.2, 1.5, 1.5.1, 1.5.2, 1.5.2.1, 2.1.11, 2.1.12, 2.1.13, 4.1.1, Annexure

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1. INTRODUCTION

1.1 Background

The Department of Agriculture and Cooperation (DAC), Ministry of Agriculture is implementing National e-Governance Programme (NeGP) in the Agricultural Sector as a Mission Mode Project (A-MMP), covering Agriculture Sector, Livestock Sector and Fisheries Sector. The NeGP-AMMP aims to address the needs of the farming community and its other related stakeholders, through provision of relevant information and services through the various delivery channels available in their vicinity for assisting them in making rational decision for raising farm productivity and farm income.

In first Phase project will be implemented in 7 pilot states. These are Assam, Himachal Pradesh, Maharashtra, Madhya Pradesh, Jharkhand, Kerala and Karnataka.

12 Cluster of Services identified under this project, will cover information on Pesticides, Fertilisers and Seeds, Soil Health, crops, farm machinery, training and Good Agricultural Practices (GAPs), forecasted weather and agro-met advisory, prices, arrivals, procurement points, and providing interaction platform, Electronic certification for exports & imports, marketing infrastructure, Monitoring implementation / Evaluation of schemes & programs, fisheries, irrigation infrastructure, Drought Relief and Management, Livestock Management.

This document describes the Software Requirements Specification for the State Agricultural Portal (SAP) for Maharashtra State.

1.2 Profile of the State – Maharashtra

1.2.1 Geography

Maharashtra is the third largest state in area and second largest state in population of India. It has an area of 307,713 sq. km. with 35 districts, 358 blocks and 43711 villages and a population of 112,372,972. The 45% population of the state is urban. All the districts of Maharashtra are grouped into six divisions: Aurangabad Division, Amravati Division, Konkan Division, Nagpur Division, Nashik Division and Pune Division.

Maharashtra is bordered by the Arabian Sea to the west, Gujarat and the Union territory of Dadra and Nagar Haveli to the northwest, Madhya Pradesh to northeast and Chhattisgarh to the east, Karnataka to the south, Andhra Pradesh to the southeast and Goa to the southwest.

Sahyadri, the hilly ranges running parallel to the coast at an average elevation of 1,200 metres (4,000 ft) divides Maharashtra in two parts geographically, (i) Konkan coastal plains, 50–80 kilometres in width and around 720 km in length to the west and (ii) Deccan Plateau (Western Ghats) to the east. The Konkan is dotted with paddy fields and coconut gardens. The Western Ghats form one of the three watersheds of India, from which many South Indian rivers originate, notable among them being Godavari River, and Krishna, which flow eastward into the Bay of Bengal, forming one of the greatest river basins in India. The west-flowing rivers flow into the Arabian Sea. The major rivers of the plateau are Tapi, Godavari, Bhima, Krishna, Koyna, Wardha and Wanganga. The Godavari is the principal river of Maharashtra. Official language of the state is Marathi.

1.2.2 Important basics at a Glance

Capital	Mumbai
Area (sq km)	307,713 sq. km
Population	11,23,72,972 (Census 2011)
Male	5,83,61,397
Female	5,40,11,575
Females per 1000 males	925 (Census 2011)
Literacy	82.91 %
Male	89.82 %
Female	75.48 %
Rural Population	6,15,45,441
Percentage to Rural Population to Total Population	54.77 %
Urban Population	5,08,27,531
Ratio of urban population	45.23% (Census 2011)
Density of Population	365 per sq km
Growth of Population (2001-2011)	15.99 %
Principal Languages	Marathi
Revenue Divisions	6
Districts	35

1.2.3 Climatic conditions

Maharashtra has typical monsoon climate, with hot, rainy and cold weather seasons. Tropical conditions prevail all over the state.

Summer: March, April and May are the hottest months.

Rainy Season: Rainfall starts normally in the first week of June. July is the wettest month in Maharashtra, while August too gets substantial rain. Monsoon starts its retreat with the coming of September from the state.

Winter: Cool dry spell, with clear skies gentle breeze and pleasant weather prevails from November to February. But the eastern part of Maharashtra sometimes receives some rainfall. Temperature varies between 12°C-34°C during this season.

Rainfall: Rainfall in Maharashtra differs from region to region. Thane, Raigad, Ratnagiri and Sindhudurg districts, receive heavy rains of an average of 200 centimeters annually. But the districts of Nasik, Pune, Ahmednagar, Dhule, Jalgaon, Satara, Sangli, Solapur and parts of Kolhapur get rainfall less than 50 centimeters. Rainfall particularly concentrates to the Konkan

and Sahyadrian Maharashtra. Central Maharashtra receives less rainfall. However, under the influence of the Bay of Bengal, eastern Vidarbha receives good rainfall in July, August and September.

1.3 Maharashtra – Agriculture Sector

Agriculture is the mainstay of the state of Maharashtra. Maharashtra's economy is predominantly agrarian. It is the main occupation of the people. Both food crops and cash crops are grown in the state. Principal crops include rice, jowar, bajra, wheat, pulses, turmeric, onions, cotton, sugarcane and several oil seeds including groundnut, sunflower and soybean. The state has huge areas, under fruit cultivation of which mangoes, bananas, grapes, and oranges are the main ones.

The total irrigated area which has been used for crop cultivation is 33, 500 square kilometers. The agriculture in state is predominantly rain-fed. The state has 24 per cent of drought-prone area of the country. However state has potential for growth in agricultural sector in spite of challenges. The SWOT analysis of agricultural situation of the state (Source: http://rkvy.nic.in/Evaluation_of_SAPs/Evaluation_SAP_Maharashtra.PDF) is as given below–

Strength

The major strengths include–

- Topography and agro-climatic conditions conducive for promoting horticulture and facilitate diversification into high-value horticultural crops;
- Large population in urban areas (42 per cent) that has concentration of financial and industrial activity – industrial sector supports agricultural sector through forward and backward linkages as it provides a ready market for agricultural commodities and manufactures and supplies of inputs like seeds, machinery etc to agriculture;
- Large production of fruit & vegetable (onion, mangoes, grapes, pomegranates, oranges etc.) present tremendous export potential;
- Investment in onion storage infrastructure/onion chawls for storing onions and avoiding distress sales by farmers;
- Installed Vapor Heat Treatment Facility prevents fruitfly and helps promote exports of mangoes;
- Agri Export Zones for grapes, grapevine, pomegranate, onions, mangoes etc.;
- Close proximity to international and sea ports;
- Large number of agro-processing units;
- Infrastructure to support the growing floriculture industry;
- Major producer of milk (7.4 million tons), eggs and poultry meat;
- Long cost-line of 720 kms. facilitates fishing; and
- Strong road network of 2,37,668 kms road length that connects 97 per cent villages.

Weakness

The weaknesses include–

- Predominantly rain-fed agriculture (only 18 per cent of Gross Cropped Area is irrigated);

- Scattered rainfall across regions with one-third area receiving scanty rainfall – State has 24 per cent of drought-prone area of the country;
- Well-irrigation accounts for 65 per cent of State's gross irrigated area;
- Despite heavy investments in surface irrigation, unsatisfactory irrigation potential created and delay in project-completions

Opportunities

The opportunities include-

- Rising demand for horticulture products as consumption pattern shifts in favour of fruits & vegetables;
- Huge urban population can serve as a driver of State's agricultural and horticultural development by providing ready markets;
- Large-scale production of grape-varieties with high demand at world-level presents export opportunities;
- Being largest producer of fruits in the country, food-processing units have great scope, as a ready market exists due to huge urban population;
- Floriculture provides scope of high-income generation to farmers due to huge demand for flowers in urban areas and presence of export-market.

Threats

The threats include-

- Scarcity of water for irrigation as well-irrigation is the major source of irrigation and a number of districts have experienced depleting water tables;
- Cultivation of water intensive crops has led to water logging;
- Natural calamities such as cyclones, erratic rainfall, long dry spells lead to huge farm losses;
- Inadequate infrastructure like roads, markets, communications and electricity to support horticultural growth;
- High pesticide residues in crops are resulting in export consignments being rejected in some cases.

1.3.1 Major developments in Agriculture in Maharashtra

The major developments of Agriculture in Maharashtra are -

- First State to adopt Dry Land Farming Technology
- Emphasis on the development of horticulture along with Agriculture
- State Seed Corporation – First farmers company in seed sector
- Pioneers in Co-operative network - Sugar factories, Dairies, Water user associations
- Four State Agricultural Universities
- Presence of very effective and research based Farmers Organisations
- Acceptance of latest technology by Grape farmers like Eurepgap, Agmark, Bar-coding & Residue Monitoring system etc
- Concept of contract farming & corporate farming is in the way of promotion
- An area of 13.66 lakh hectares under horticultural and 4 lakh ha under vegetables

- Largest producer of seedless Grapes (78%) banana (75%) Mandarin oranges (75%) Onion (63%), Tomatoes (42%) of the total production in India. Alphanso Mangoes accounts for 90% of India's export in mangoes.
- The highest number of poly houses (1271) owned by small farmers for cultivation of flowers
- Leads the sugar industry sector with 200 sanctioned and 150 productive cooperative sugar mills
- 40% turnover of the seed industry in the country
- More than 60% of the area under drip irrigation, thus stands first in the country
- Implementation of Agriculture Export Zones

1.3.2 Agriculture Export Zone (AEZ) in Maharashtra

The state is implementing Agriculture Export Zones (AEZ). The State has announced eight (8) Agriculture Export Zone for important crops being implemented through various Agencies in the State. The concept of Agri Export Zones attempts to take comprehensive look at particulars produce/products located in a continuous area for the purpose of developing and sourcing the raw material, their processing/packing, leading to final export.

1.3.3 Agricultural Infrastructure of Maharashtra

(Source: http://rkvy.nic.in/download_strategy_Maharastra.ppt)

- Villages (40412)connected by
 - All weather roads - 38483,
 - Fair weather roads - 1397
- APMCs - 294, 608 sub-markets
- Cotton Ginning Units - 459
- Ginning & pressing Units - 405
- Primary Agriculture Societies (PACs) - 21000 (Members- 120 lakh)
- Agricultural Universities - 4
- Agricultural colleges - 88 (25 Govt., 61 Pvt., 2 aided)
- Centers for capacity Building –
 - State agriculture Extension Management Training Institute –SAMETI, Nagpur
 - Regional Agriculture Extension Management Training Institute– RAMETI (7)
- Six National Research Centres - Cotton, Orange, Pomegranate, Grape, Onion & Soil Survey
- Post Harvest Training Centre at Talegaon, Dist-Pune, One of its kind in Country
- Crop based organisations – MAHA GRAPE, MAHA MANGO, MAHA BANANA, MAHAGRAPE, Pomegranate, Floriculture association, Orange
- Soil Testing Labs – 118 (29 Public , 89 Private)
- Residue Testing Labs – 2
- Bio- control lab - 10
- Fertiliser testing labs - 5
- Pesticide Testing Labs - 4
- Seed Testing Labs - 3
- Agro polyclinic - 231

- Taluka Seed Farm - 194
- Horticulture nurseries - 1373

1.3.4 Crop Group-wise Production

Crop Group	Production					
	2006-07 (Lakh Ton)	2007-08 (Lakh Ton)	2008-09 (Lakh Ton)	% (+ or -) of 07-08 to 06-07	% (+ or -) of 08-09 to 06-07	% (+ or -) Cumulative Performanc e 07 –08 & 08-09
Total Cereals	105.89	124.60	96.84	+ 18	-9	+ 4.56
Total Pulses	23.05	30.24	17.09	+ 31	-26	+ 2.66
Total Food grains	128.94	154.84	113.93	+ 20	-12	+ 4.22
Total Oilseeds	37.25	48.74	25.80	+ 31	-31	+ 0.05
Cotton (Lint)	46.18	70.15	49.43	+ 52	+ 7	+ 29.47
Sugarcane (Harvested)	66.28	88.44	50.81	+ 33	-23	+ 5.04

Note - Production of Cotton in "Lakh " Bales of 170 kg each, Production of sugarcane in Ten Lakh M.T.
 (Source: http://rkvy.nic.in/download_strategy_Maharastra.ppt)

1.3.4.1 Crop Profile and Production Highlights (Year 2010-11)

Total Crop Area: 210 Lakh Ha.

Major Crops: Cotton, Sugarcane, Soybean, Rice, Jowar, Wheat, Pigeon pea, Chick pea

Production:

Cereals: 119 Lakh MT

Food Grains: 150 Lakh MT

Pulses: 31 Lakh MT

Oilseeds: 50 Lakh MT

(Source: <http://www.mahaagri.gov.in>)

1.3.4.2 State Initiatives for Horticulture Plantation (1990-91 to 2010-2011)

Area covered under various Fruit crops: 15.40 lakh Ha.

Key crops

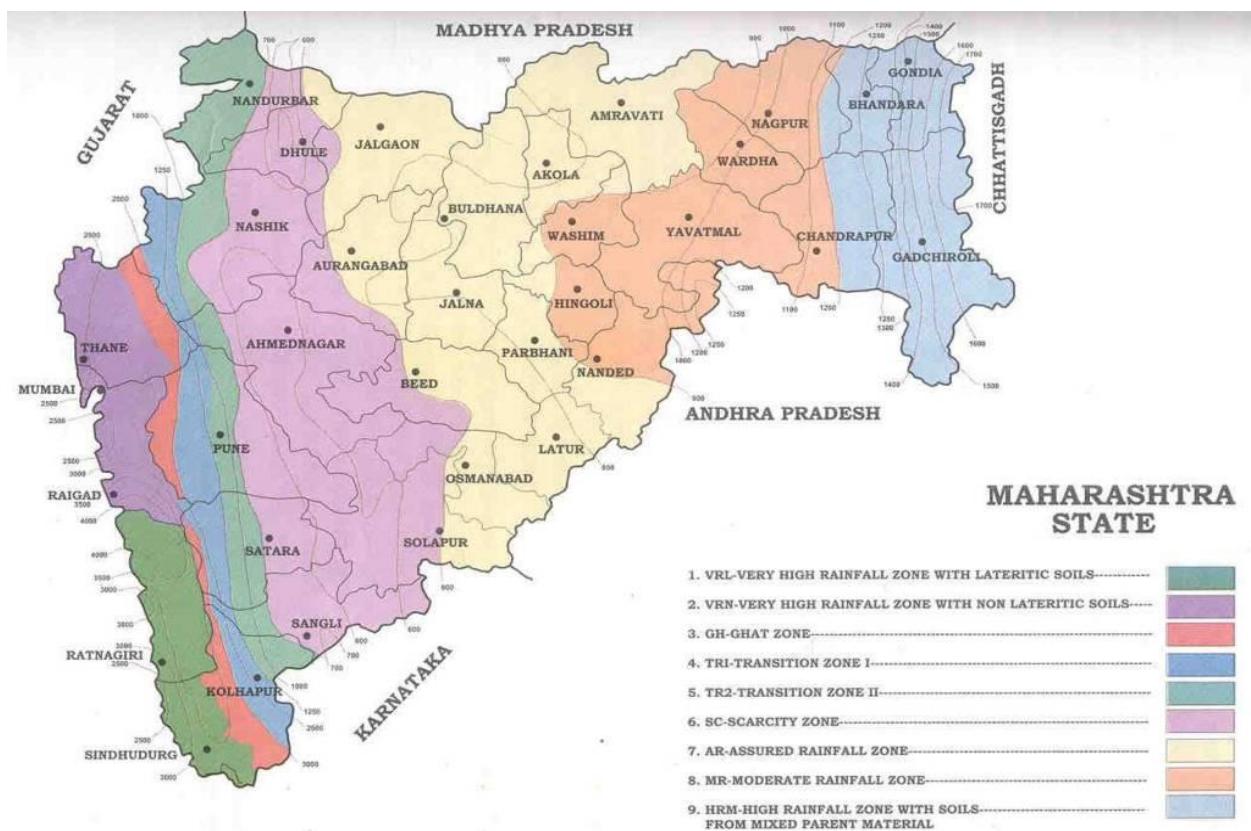
Mango – 5.15 Lakh Ha.

Pomegranate – 1.53 Lakh Ha.

Benefishries covered – 20.42 Lakh

(Source: <http://www.mahaagri.gov.in>)

1.3.5 Agro-climatic zones of Maharashtra



(Source: http://rkvy.nic.in/download_strategy_Maharastra.ppt)

1.3.6 Department of Agriculture, Government of Maharashtra

The need to grow more food was felt during the 19th Century because of the increasing pressure of population. According to the recommendation of Famine Commission (1881), Agriculture Department was established in 1883. Work started with the aim of helping the rural community to achieve higher productivity in agriculture. Agriculture and Land Records Departments were functioning together till 1907. After getting encouraging results in an effort made during 1915-16 to stop soil loss, Mr. Kitting, the then Agriculture Director started soil conservation work from 1922.

Agriculture Department took up various land development activities with the enactment in 1942 and subsequent enforcement of Land Development Act in 1943. For the first time in 1943, the then Government prepared a comprehensive Agriculture Policy considering the problems in agriculture and allied sectors. According to this policy, emphasis was given on use of water as irrigation for agricultural crops.

The post independence period from 1950 to 1965 is recognized as pre Green Revolution period. During this period several schemes were launched to boost growth of agriculture sector. Production of quality seeds through Taluka Seed Farms started during 1957. Emphasis was given on increasing irrigated area along with cultivated area during this period. A special campaign was launched in 1961-62 to encourage use of chemical fertilizers.

Development of hybrid varieties of different crops since 1965-66 laid down the foundation of Green Revolution. Five year plans following this period specially emphasized development of agriculture. Nala bunding work was taken up along with land development work by the department since 1974 which led to increase in well and ground water level. Introduction of intensive agriculture, comprising of large scale use of improved seed, fertilizers, pesticides and available water helped increase in agriculture production. Later on, considering the need for providing guidance to the farmers for proper and judicious use of these inputs, Training and Visit Scheme was launched in 1981-82. Valuable contribution of this scheme through effective implementation of programs like Crop Demonstrations, Field Visits, Corner meetings, Workshops, Fairs, Exhibitions etc. aimed at transfer of technology from Agriculture Universities to farmers' fields was evident from the increased agricultural production.

Though state has become self sufficient in food grain production in spite of the tremendous increase in population, self sufficiency in agriculture is not the only aim of the state but assurance of more and more net income to the farmers through the efficient and sustainable use of available resources is more important. To achieve this, commercial agriculture should be practiced. Different schemes are implemented to increase agricultural production, export promotion and to encourage the agro processing industry with a view to take advantage of liberalized economy and Global trade. Thus, agriculture department is firmly stepping towards economic progress along with self sufficiency through agriculture and to achieve important position in the global agriculture produce market. The innovative horticulture plantation scheme under employment guarantee scheme implemented by the state is a part of this policy.

Agriculture department considers farmer as the focal point and the whole department is organized in such a fashion that a single mechanism is working to facilitate the farmer for adoption of advanced technology and sustainable use of available resources. Every agriculture assistant working at village level has a jurisdiction of three to four villages with number of farmers limited to 800 to 900 which facilitates more interaction for easier transfer of technology.

Agriculture Assistant at village level undertakes soil conservation work, horticulture plantation and various extension schemes. He is supervised by Circle Agriculture Officer at circle level. Administrative control, liaison with other departments, monitoring and training programs etc. are facilitated by Taluka Agriculture Officer at taluka level, Sub Divisional Agriculture Officer at sub division level, District Superintending Agriculture Officer at district level and Divisional Joint Director at division level. In addition, Agriculture Officer at Panchayat Samiti level, working under Agriculture Development Officer, Zilla Parishad at district level also implements various agro-inputs related schemes.

All the schemes implemented in the field are supervised technically and administratively by respective Directorates of Soil Conservation, Horticulture, Extension and Training, Inputs and Quality Control, Statistics, Monitoring and Evaluation and Planning and Budget at state level in the Commissionerate of Agriculture. Also separate sections are there for the Establishment and Accounts related matters.

1.3.6.1 Organisation

With the formation of the Zilla Parishad the Agriculture department was split up into State and District sectors. While State sector includes schemes like town compost, sugarcane development, cotton extension, taluka seed farms, experimental and research farms, soil

conservation, and gram sevak training centre, the District sector includes those such as kharif and rabi campaigns, paddy pilot schemes, horticultural development, construction of tehsil godowns, air compressor, blasting and tractor ploughing, rural compost, fertilizer distribution, plant protection and appliances on 50 per cent subsidy, green manuring, intensive cultivation of food crops and pulses, distribution of cement, iron and steel.

The department in the State sector is headed by the Director of Agriculture, Maharashtra State, Pune. The activities falling in the State sector at district level are controlled and supervised by the Assistant Cotton Extension Officer who is subordinate to the Superintending Agricultural Officer, Pune. He is designated as officer in charge of residuary activities.

The Agricultural Development Officer is placed in charge of the schemes falling within the sphere of the district sector. He is immediately responsible to the Chief Executive Officer of the Zilla Parishad. The District Agricultural Officer works as the Secretary to the Agriculture Committee of the Zilla Parishad. He is assisted in his work by Agricultural Supervisors, Agricultural Assistants and other necessary staff.

1.3.6.2 Key Initiatives of the department

- Market led project Approach
- Close User Group (CUG) – 7 Lakh farmers
- e-Governance
- SMS services – 2.50 Lakh Farmers
- Toll Free Number – 1800 2300 4000
- Pest and Disease Surveillance for Major Crops
- Fertilizer Buffer Stock (Kharif – 3.81 Lakh MT, Rabi – 2.86 Lakh MT)
- Grain and Fruit Festivals
- Micro Level Planning at district level

1.4 Maharashtra – Animal Husbandry and Dairying Sector

Animal Husbandry plays a very important part of the agriculture in Maharashtra. Animal husbandry plays a very important part in the rural economy. Cattle rearing for milk and milk products, leather and flesh are an important occupation for most of the people living in the state.

Since animal husbandry is included in the state list, the responsibility of taking care of the cattle belongs to the state. The schemes are related to sheep development, poultry, piggery, fodder development and livestock health.

The Department of Animal Husbandry has taken the responsibility of advising the people about taking care of their cattle and treatment of the sick cattle. Apart from that there are cattle breeding farms in the districts and the talukas under the districts. There are veterinary dispensaries, livestock supervisors, District Animal Husbandry officers and Extension Officers for Animal Husbandry.

In the State of Maharashtra, there is tremendous growth in poultry sector during last 3-4 decades. As per the livestock census of 2007 poultry population of the state is 231.52 Lakh.

Year	Layer Birds (Lakh)		Egg production (Crore)		
	Deshi	Commercial	Deshi	Commercial	Total
2006-07	129.95	69.23	156.56	183.43	339.99
2007-08	130.61	70.32	159.02	186.76	345.78
2008-09	136.39	71.18	166.01	188.59	354.60

Source: <http://ahd.maharashtra.gov.in>

1.4.1 Department of Animal Husbandry, Government of Maharashtra

<http://ahd.maharashtra.gov.in>

The Agriculture, Animal Husbandry, Dairy Development and Fisheries Department are the administrative departments. A Minister of Cabinet rank who is assisted by Minister of State, heads the Department of Animal Husbandry. Secretary (ADF) heads the executive wing of the Department. The Field machinery is headed by an officer designated as Commissioner, Animal Husbandry. Under this administrative set-up, Commissioner, Animal Husbandry Maharashtra State, is functioning at Pune. He is assisted by one Additional Commissioner and one Joint Commissioner at the head quarter and 7 Joint Commissioners at the Regional Levels. Joint Commissioner in charge IVBP (Institute of Veterinary Biological Products, Aundh) & Disease Investigation Section are also functioning under Commissioner, Animal Husbandry.

District level wing is headed by the District Deputy Commissioners of Animal Husbandry for the States Sector Activities who in-coordination with District Animal Husbandry Officer (ZP) supervise and control the activities of the Department in the district. Total number of Gazetted & Non- Gazetted employees in the department is 7674. Other wings of the Department are as follows-

- Maharashtra Veterinary State Council, Nagpur
- Maharashtra Animal & Fisheries Science University, Nagpur
- Maharashtra Livestock Development Board, Akola
- Sheep & Goat Development Corporation, Pune

1.4.1.1 Functions of Department of Animal Husbandry

Department of Animal Husbandry, Government of Maharashtra is basically responsible for formulation and implementation of Livestock Policy of the State. It carries out its functions through various functionaries and institutions under the Department mostly by way of implementation of various developmental activities through plan and non-plan schemes.

Some of the main items of its functions relate to -

- Developments and Breeding Policy for livestock and poultry
- Animal Health Care and Disease Control
- Disease Diagnosis and Surveillance
- Manufacturing and Supply of veterinary biological and critical inputs for Genetic Improvement Programme
- Quality Veterinary Education and field oriented, need based Research through Maharashtra Animal & Fisheries Science University

- Promotion of Cooperative Poultry and Backyard Poultry and also through induction of SHGs
- Compilation and Analysis of Statistics
- Assessment of Production of animal products
- Feed and Fodder Development
- Conservation and propagation of Native Breeds
- Implementation of statutes and Acts relating to conservation and development of livestock
- Quality Control of Animal Products especially for export

1.4.1.2 Aims and Objectives

- Genetic Improvement of Livestock by Scientific Intervention to bring about increase in productivity of Livestock in the existing farming system and conservation of Native Breeds
- Livestock diseases prevention and control
- To increase awareness amongst the rural masses regarding improved Animal Husbandry practices
- To provide gainful self-employment to the weaker sections of the society in livestock sector
- To create and maintain a "Disease Free Status" of major production areas so as to boost export of livestock products

In tune with aforesaid Aims, state Animal Husbandry Department has set forth following major Action Points -

- To achieve level of 60% in Genetic Improvement of Cattle and Buffalo
- To effectively control dreadful contagious diseases like PPR (Pestis Des Petits ruminants), Foot and Mouth disease, Brucellosis, Rabies, Haemorrhagic Septicaemia, Black Quarter in livestock as well as Ranikhet Disease, Salmonellosis in poultry
- To provide effective and efficient health coverage to the livestock and poultry through existing network of veterinary institutions, covering both preventive and curative aspects
- To bring about a balanced regional development in animal husbandry sector, amongst all the regions of State through implementation of special area specific programs and by means of need based expansion and strengthening of the veterinary infrastructure
- To organize Animal Health Camps, Work-Campaigns, Beneficiary-Training Programs as tools of extension
- To update human resources of the department through various trainings and keep them highly motivated
- To encourage development and growth of Poultry industry in back yard poultry and self help groups through Co-operative initiative
- To coordinate and thus consolidate the work of Non Government Organizations in Livestock Development and conservation of Native breeds of animals
- To ensure availability of fodder for fulfillment of its requirement within the state
- To ensure slaughter of disease free 'Scheduled' animals for the sake of wholesome and hygienic meat production at the same time prevent the loss of useful and high genetic material as well as livestock wealth
- To ensure E-governance and concept of paperless office with necessary & fortified I-T support
- To ensure strict adherence to quality standards in delivery of veterinary service and also in respect of the education in veterinary science, as per the mandate of Indian Veterinary Council Act 1984.

1.5 Maharashtra – Fisheries Sector

Maharashtra accounts for a significant share so far as marine fish production is the country is concerned. Fisheries sector contributes in socio-economic developments of the state. The state has 720 km of coastline. There are as many as 32 varieties of fish harvested/produced in Maharashtra. Among these varieties, shrimps, prawns, harpodon, neherias, ribbon fish, otalithis, pomfrets, anchoviella, machral and cattle fish accounts for major share in total fish production of Maharashtra.

Fish Production in Maharashtra is 5.50 Lakhs Metric Tons Per Annum and it contributes about Rs.1500.00 crores foreign exchange.

1.5.1 Fisheries Resources of Maharashtra

(Source: <http://fisheries.maharashtra.gov.in>)

Marine Fishery Resources of Maharashtra

Continental Shelf	1,11,512 sq.km
Coastline	720 K.M.
Costal Districts	6
Fishing Villages	406
Fish Landing Centers	184
Fishermen Population	4.50 Lakhs
Active Fishermen (Full Time)	54,901
Major Fish Harbours	3
Fish Landing Jetties	22
Mechanised Fishing Crafts	13,053
Motorized Fishing Crafts	3,382
Traditional Fishing Crafts	7,073
Ice Plant & Cold Storage	170

Inland Fishery Resources of Maharashtra

Details	No.	Area in Ha
State Irrigation Tank Above 200 Ha.	192	1,85,887
State Irrigation Tank Below 200 Ha.	2065	1,01,896
Zilla Parishad & Other Tanks	31425	90,122
Total No Of Tanks	33740	3,77,905
Length of river	19456 kms	

Govt. Hatcheries, Fish Seed Centers and Rearing Units in Maharashtra

Fish Seed Centers	43
Hatcheries (Out Of 43 Fish Seed Centers)	28
Rearing Units (Out Of 43 Fish Seed Centers)	15
Freshwater Prawn Hatchery	1

Brackish Water Aquaculture Resources of Maharashtra

Brackishwater Land for shrimp culture	12445 ha.
Distributed Brackishwater Land	3067 ha.
Area Under Shrimp culture	1056 ha.
Shrimp Project	222
Shrimp Production Units	1
Shrimp Rearing Units	1
Projects registered with Costal Aquaculture Authority under the Act	
Govt. Prawn Hatchery	1

Fisheries Co-Operative Network of Maharashtra

	Marine	Inland
Primary Societies	370	2603
District Federation	5	24
Regional Federation	3	2
State Federation	2	
Apex Federation	1	

Fisheries sector is one the major source of livelihood for economically backward population. Fishing is one of the traditional activities of Maharashtra which is bestowed with 720 k.m. coast line. Since 1950 nature of this traditional activity has rapidly changed into commercial activity. Modernization of fishing methods, mechanization, use of fish finders, and methods of fish preservation has changed the scenario. To meet the increasing demand for marine fish, fishermen have concentrated their attention to increase marine fish production which ultimately increased fish production.

Fish Production (Lakh M.T.)				
Year	Marine	Inland	Brackish Water	Total
2004-05	4.18	1.21	0.002	5.392
2005-06	4.45	1.35	0.004	5.804
2006-07	4.65	1.32	0.008	5.978
2007-08	4.20	1.37	1.37	0.008
2008-09	4.19	1.10	0.009	5.299

(Source: <http://fisheries.maharashtra.gov.in>)

1.5.2 Department of Fisheries, Government of Maharashtra

[\(http://fisheries.maharashtra.gov.in\)](http://fisheries.maharashtra.gov.in)

The department of Fisheries, Government of Maharashtra aims to support economically backward population and improve fishery sector by adopting modern sustainable techniques in various fields of fisheries. It generates employment for economically backwards, cheap and nutritious food for the society and the foreign exchange for the nation. Considering various resources, trends, opportunities, weaknesses and threats department has formed strategies for future. Strategies of the Department are as following –

- **Marine**

- Strengthening of Infrastructure such as Construction of new fishing harbours and Modernisation of existing harbours and jetties
- Modernisation of intermediate fishing crafts
- Introduce Mericulture and Sea ranching
- Explore Deep Sea Fishing Resources (Introduce Tuna long lining)

- **Inland**

- Optimisation of fish seed production of existing farms
- Reservoirs Fisheries Development
- Training and Extension
- Strengthening of marketing infrastructure
- Strengthening of Inland Fisheries Statistics with information networking

- **Brackish Water**

- Enhancement of the existing farms for Brackish Water aquaculture to augment shrimp production
- Training of farmers in coastal aquaculture and man power development
- Establishment of new aquaculture farms as per norms of Coastal Aquaculture Authority
- The present thrust is to augment the shrimp production through increasing the productivity of existing farms as well as bringing more area under brackish water farming

1.5.2.1 National Fisheries Development Board

In all three sectors, assistance of NFDB is envisaged to take up new programmes such as reservoirs fisheries development, deep sea fishing, tuna long lining, Mariculture, post harvest technology, training and extension activities etc.

1.6 State Agricultural Portals (SAP)

State Agriculture Portal (SAP) is the interface of the State Government to provide information services in agricultural sector. This document describes the Software Requirements Specification for the Maharashtra State Agricultural Portal. Purpose of this document is to provide detailed specifications for the development of the portal, a document for validating quality needs, testing of the artifacts and components of the portal and a reference document for the SAP of Maharashtra.

1.7 Scope of the document

The Scope of this document is to describe the complete functional requirements like functionalities, user interface, user characteristics, sitemap, navigation etc. of the proposed SAP related to the state of Maharashtra. It will also cover non-functional requirements like performance, reliability, availability, security, maintainability usability etc.

1.8 Objectives of Maharashtra State Agricultural Portal

The State Agriculture Portal would be the front end for all the services' delivery in Agriculture MMP. A farmer would typically come to SAP to find information / avail any service through CSC / Internet. SAP would be in local language, and have easy to use navigation, search and browse features. SAP would be connected to the State gateway through firewall and SWAN / Internet and would be accessible to department, SAUs, KVks for information update and to various service delivery channels like CSCs / State Call Centre, Kisan Call Centres and internet for public access. The State Agricultural Portal is a conceptual design of service delivery channel at the state level.

1.9 Definitions, Acronyms and Abbreviations

ACMS	Agriculture Content Management System
ADO	Agriculture Development Officer
AGMARKNET	Agricultural Marketing Information System Network
AMFU	Agro-Meteorological Field Unit
APL	Above Poverty Line
B2C	Business to Citizen
BAO	Block Agriculture Officer
BOO	Build-Own-Operate
BOOT	Build-Own-Operate-Transfer
BPR	Business Process Re-engineering
BPL	Below Poverty Line
CAP	Central Agricultural Portal

CFPM	Cross Functional Process Mapping
CFQCTI	Central Fertilizer Quality Control & Training Institute
CIBRC	Central Insecticides Board & Registration Committee
CIL	Central Insecticides Laboratory
CIPMC	Central Integrated Pest Management Centres
CPMU	Central Program Management Unit
CSC	Citizen Service Centre
CTQ	Critical To Quality
DAC	Department of Agriculture and Co-operation
DAHD	Department of Animal Husbandry & Dairying
DAO	District Agriculture Officer
DARE	Department of Agricultural Research & Education
DMI	Directorate of Marketing & Inspection
DPPQS	Directorate of Plant Protection, Quarantine & Storage
DPR	Detailed Project Report
EA	Enterprise Architecture
EIS	Enterprise Information Service
ESA	Economic and Statistics Advisor
FCI	Food Corporation of India
FEO	Fisheries Extension Officer
FMC	Futures Market Commission
FMS	Fertilizer Monitoring System
FRS	Functional Requirement Specifications
G2B	Government to Business
G2C	Government to Citizen
G2G	Government to Government
GAP	Good Agriculture Practice
HTTP	Hyper Text Transfer Protocol
HTTPS	Hyper Text Transfer Protocol Secure
ICAR	Indian Council of Agricultural Research
ICT	Information and Communication Technology
IMD	Indian Meteorological Department
IT	Information Technology
IVRS	Interactive Voice Response Service
JD	Joint Director
KCC	Kisan Call Center
KKMS	Kisan Knowledge Management System
KVK	Krishi Vigyan Kendra
LWO	Locust Warning Organization
MANAGE	National Institute of Agriculture Extension & Management
MSAMB	Maharashtra State Agriculture Marketing Board
MIS	Management Information System
MIT	Ministry of Information Technology

MMP	Mission Mode Project
MSP	Minimum Support Price
NAFED	National Agricultural Cooperative Marketing Federation of India Ltd
NCDC	National Cooperative Development Corporation
NCF	National Commission of Farmers
NCOF	National Centre for Organic Farming
NCUI	National Cooperative Union of India
NeGP	National e-Governance Plan
NIC	National Informatics Centre
NISG	National Institute for Smart Governance
NSAI	National Seed Association of India
NSC	National Seeds Corporation
PeMT	Project e-Governance Mission Team
PMU	Project Management Unit
POP	Package of Practice
PPP	Public – Private – Partnership
PQS	Plant Quarantine Station
PSU	Public Sector Undertakings
RBM	Result Based Management
RFP	Request for Proposal
RMC	Regulated Market Committees
SAMB	State Agricultural Marketing Boards
SAP	State Agriculture Portal
SAU	State Agriculture University
SCC	State Call Centre
SDC	State Data Centre
SeMT	State e-Governance Mission Team
SFCI	State Farms Corporation of India
SLA	Service Level Agreement
SME	Subject Matter Expert
SMS	Short Message Service
SOA	Service Oriented Architecture
SEC	State Empowered Committee
SFAC	Small Farmers' Agribusiness Consortium
SRS	Software Requirements Specifications
SSO	Single-Sign-On
SWAN	State Wide Area Network
VLEW	Village Level Extension Worker
XML	Extensible Markup Language

1.10 References

SL NO.	Publisher/Author	Version	Release Date
1.	Detailed Project Report for National Mission Mode Project under National eGovernance Plan		
2.	Discussion with NIC officials of Maharashtra		
3.	Discussion with State Level officials of Maharashtra		
4.	Documents shared by NIC, New Delhi		

1.11 Structure of the Document

This document is organized in four parts. **Section 1** is Introduction which provides background, introduction to agriculture, animal husbandry and fisheries sectors, purpose, scope, objectives, abbreviation and references.

Section 2 describes the general factors that influence the product and its requirements. It consists of the following topics:

- As-Is System of Department of Agriculture
- Gaps and issues with current system
- State Agricultural Portal Perspectives
- User Interfaces Partial
- Hardware Interfaces
- Communication Interface
- Architecture of Hardware Infrastructure
- Software for the State Agricultural Portal
- Software Products Used and Its Purpose
- Product Functions

Section 3 will contain all of the software requirements to the level of detail sufficient to enable designers to design a system to satisfy those requirements, and testers to test that the system satisfies those requirements. Section 3 consists of two parts. **Part A** describes about the State Agricultural Portal server and **Part B** describes about the State Agricultural Portal Content Management System.

Section 4 covers the non-functional requirement of the website.

2. OVERALL DESCRIPTION - STATE AGRICULTURAL PORTAL

2.1 As-Is System of Department of Agriculture

The information on all functions and activities of the department of agriculture is provided through the following channels and websites. The analysis of the website has also been included

2.1.1 Website of Department of Agriculture, Maharashtra – <http://mahaagri.gov.in>

The MahaAgri website is the official website of the Department of Agriculture, Maharashtra State. The website content is available in English and Marathi. This website provides the following information -

1. Administration
 - a. About Department
 - b. Organization & Setup
 - c. S.F.A.C. (Small Farmers Agri-Business Consortium)
 - d. Promotion
 - e. Officers Seniority List
 - f. Website Updation
 - g. Pattern2009
 - h. Officer Transfer
 - i. Recruitment
 - j. Examination
 - k. Due for Transfer

- I. Employees Transfer
2. Inputs
 - a. Seed
 - b. Fertilizer
 - c. Insecticides
 - d. Nursery
 - e. Essential Commodities
 - f. Seed Licensing
3. Awards
 - a. Krishiratna
 - b. Krishibhushan
 - c. Jijamata Krishibhushan
 - d. Udyan Pandit
 - e. Sheti Mitra
 - f. Sheti Nishtha
 - g. Crop Competition Winner
 - h. Krishibhushan Organic Farming
4. Projects and Plans
 - a. Project
 - b. Circulars
 - c. IESA (Integrated Environmental and Social Assessment) Report
 - d. Mahakrishi Sanchar CUG (Close User Group)
 - e. Toll Free No
 - f. Presentation
 - g. Vasundhara Watershed
5. Statistics
 - a. Agriculture Census
 - b. National Agriculture Insure
 - c. Growth Rate
 - d. Rainfall
 - e. Cropwatch
 - f. Crop Statistics
6. Tenders
 - a. Tenders
7. Publication
 - a. Shetkari Magazine
 - b. Reports
 - c. Thoughts
 - d. Posters
 - e. Krishi Dainandini
 - f. Report on Agricultural Census
 - g. Maharashtra Agriculture At A Glance 2011
8. Marketing/Export
 - a. Online Market Rates
 - b. Exports
 - c. Minimum Support price
9. Facilities
 - a. Education
 - b. Residues Testing Laboratory
 - c. Soil Testing Laboratory

- d. Agro polyclinic
- e. Taluka seed farms

10. Technologies

- a. Crop Production
- b. Grading Packing
- c. Food Processing
- d. Organic Farming
- e. Biotechnology
- f. Green House
- g. Tissue Culture
- h. Integrated Crop Management

11. Soil/Water Conservation

- a. Soil Conservation
- b. Water Conservation
- c. Fertility Index
- d. Perspective Plan
- e. Prime Minister Package Check Dam Program
- f. Vidharbha Watershed Development Mission

12. Schemes

- a. Guidelines
- b. GRs and standing orders
- c. e Pest Surveillance
- d. Citizen Charters
- e. Beneficiaries

13. Events

- a. Exhibitions
- b. News
- c. Campaign
- d. Photo Gallery

14. Directories

- a. Offices
- b. Exporters
- c. Fertilizer Mfg. & Dealers
- d. Insecticides Mfg. & Dealers
- e. Importers
- f. Seed Producers

15. Success Story

- a. Socio-economical

16. Right to Information act

- a. Right to Information Act 2005

17. Maps

- a. Maps

18. Crop Weather

- a. Basic Information
- b. Agriculture Advisory Service
- c. Agro-Meteorological Forecast
- d. Contingency Planning
- e. Satellite Image
- f. Rainfall

19. Help

a. Help

20. What's New

- a. Mahaagri SMS Service Farmer Registration Guidelines
- b. Rashtriya Krishi Vikas Yojana Sponsored Cyber Extension Project
- c. Agri Census 2010 11 Govt. Resolution 30th Nov 2011
- d. Recruitment Advertise for Commissionarate Agril and Divisional
- e. Assistance to Cotton Producer Farmers for Kharif 2011 Guidelines
- f. Assistance to Cotton Soyabean and Paddy Producer Farmers for Kharif 2011
- g. Guidelines for Supply of Bio Pesticide and Parasitic Insects

21. Feedback

- a. Feedback

22. Presentation

- a. Information Technology
- b. Soil Water Conservation
- c. Crops
- d. Agribusiness
- e. Human resource
- f. Agriculture Processing Jowar

23. Important Links

- a. Meteorological Websites
- b. Crops Related Websites
- c. Agribusiness
- d. Agriculture Website of Other States
- e. Other Agriculture Related Websites
- f. Krushi Vidyan Kendra from Maharashtra
- g. National Horticulture Mission
- h. Genetically Modified Crops
- i. National Horticulture Mission - Maharashtra State
- j. e Pest Surveillance
- k. Maharashtra State Warehousing Corporation
- l. Small Farmers Agribusiness Consortium
- m. Rashtriya Krishi Vikas Yojana

2.1.2 Website of Maharashtra State Agricultural Marketing Board – <http://www.msamb.com>

MAHARASHTRA STATE AGRICULTURAL MARKETING BOARD
(ISO 9001-2008 CERTIFIED)

Other Links

- Other states price information
- Important Links
- Guidelines for use of VHT
- Convergence of Agricultural Interventions in Maharashtra (**CAIM**)
- Maharashtra Agricultural Competitiveness Project (**MACP**)
- Rashtriya Krishi Vikas Yojana (**RKVY**)
- **Agricultural Marketing Schemes**
 - Public Private Partnership (**PPP**) Projects
 - **KRUSHAK Irradiation**
 - **APMC Act 1963**
 - **APMC Rules 1967**

Tenders

[Click Here For Tender Notices](#)

Circulars

- *CAIM- DPM ABE_Advt_October_2012 **new**
- *Appointment of an Advertising Agency **new**
- *Expression of Interest for Technical Service Provider **new**
- *Tender Document for Empanelment of Greenhouse Erectors for Greenhouse Construction in India **new**
- *CAIM-Advt. for Inviting Proposal for Subproject **new**
- *MACP Procurement Plan **new**
- *MACP: List of selected candidates for post Agriculture Marketing Expert, Accountant and Computer Operator **new**
- *Agribusiness Infrastructure Development Investment Program-DPR for Nasik & Aurangabad-Amravati IVCs (ADB Aided Project)
- *Common Accounting System for APMCs
- *Cooperation Committee
- *Revised Operational Guidelines for Terminal Market Complex

Market Price Information

Commodity(Arrival-Qtly)Avg Price Rs/Qtly	ONION (13539) 695
<input type="checkbox"/> POTATO (3155) 1050	
<input type="checkbox"/> SUNFLOWER (62) 3226	
<input type="checkbox"/> SOYABEAN (19759) 2894	
<input type="checkbox"/> BLACK GRAM (7740) 3375	
<input type="checkbox"/> PIGEON PEA (TUR) (345) 3843	
<input type="checkbox"/> GREEN GRAM (4235) 4461	
<input type="checkbox"/> GRAM (866) 4631	
<input type="checkbox"/> MAIZE (3330) 1184	

कृषी पणज मित्र मासिक

[Feedback](#) [Download](#) [FAQ](#) [Contact Us](#) [Sitemap](#)

Copyright © 2003, MSAMB. All Rights Reserved.
Maintained by Maharashtra State Agricultural Marketing Board, Pune

This is the official website of the Maharashtra State Agricultural Marketing Board. The website content is available in English and Marathi. This website provides the following information -

1. About US
 - a. MSAMB Profile
 - b. Objectives of MSAMB
 - c. Board of Directors
 - d. Organization
2. APMC
 - a. Regulation
 - b. Budget
 - c. Loan
 - d. Contribution
 - e. APMC Profile
 - f. User Area
3. Export

- a. Export Promotion
- b. Achievements
- c. Specifications for Export
 - Grapes
 - Mango
 - Pomegranate
 - Papaya
 - Sapota
 - Mandarin
 - Banana
- d. Vegetables
- e. Be an Exporter
- f. Statistics
- g. Invoice Format
- h. Air Cargo Facility
- i. Onion Exports
- j. Mahagrapes
- k. Mahamango
- l. Mahabanana
- m. Facilities
- n. EUREPGAP Certificate

4. Projects

- a. Agri Export Zones (AEZ)
- b. Alphonso Mangoes
- c. Kesar Mango
- d. Orange
- e. Pomegranate
- f. Banana
- g. Onion
- h. Jaggery
- i. VHT
- j. Terminal Market
- k. Market Network (MARKNET)
- l. Pre-Cooling and Cold Storage
- m. Poly-house
- n. Irradiation of Onion
- o. MSRDC's Exhibition Cum Sale Centre
- p. Project Consultancy Division

5. Schemes

- a. Farmer's Market
- b. Onion Storage Structure
- c. Godown
- d. Information Display
- e. Pledge Finance
- f. Grain Handling Unit
- g. Hamal Bhavan
- h. Cold Storage Subsidy Scheme

6. National Institute of Post Harvest Technology

- a. NIPHT
 - Highlights

- Infrastructure
- b. Soil & Water Testing
- 7. Horticulture Training Center
 - a. HTC
 - b. Synergism
 - c. Infrastructure
 - d. Organisation Structure
 - e. Courses Offered
 - One Week Courses
 - f. Objectives of Courses
 - g. Other Services Offered
 - h. Schedule of the courses
- 8. Activities
 - a. Farm
 - b. Floriculture Society
 - Objectives of Society
 - 'A' Class membership
 - 'B' Class membership
 - c. Training
 - d. Seminars/Workshops
 - e. Exhibitions
 - f. Publications
- 9. Directorate of Marketing
 - a. Profile
 - b. Responsibilities
 - c. Present System
 - d. Organizational Structure
- 10. Feedback
- 11. Download
- 12. FAQ
- 13. Contact Us
- 14. Sitemap

2.1.3 Website of Department of Maharashtra Horticulture Mission –<http://hortnet.gov.in/Login-mah.aspx>

The screenshot shows the homepage of the Hortnet website. At the top, there's a banner featuring the 'HORTNET' logo, the 'NATIONAL HORTICULTURE MISSION' text, and the 'STATE HORTICULTURE MISSION' text along with the Indian emblem. Below the banner, a navigation menu includes 'Home', 'About NHM', 'About SHM', 'SHM Components', 'RTI Act', 'News & Events', 'Photo Gallery', and 'ContactUs'. A main title 'Welcome to Maharashtra State Horticulture Mission' is centered above a 'Farmer's HelpDesk' section. This section contains links for 'DEPARTMENT USERS LOGIN', 'Select Language - Hindi' (with a 'Change' button), and 'Progress Monitoring'. It also features a 'Any To Hectares Converter' tool with dropdown menus for 'Type' (Acres) and 'Land Extent' (To Change), and a 'Convert' button. Below the converter are three green buttons labeled 'Pest Alerts', 'Misbranded Input Alerts', and 'Messaging Services'. To the right of the helpdesk is a sidebar titled 'INFORMATION' containing a list of links such as 'Implementation Guidelines', 'Multimedia Services', 'Insurance Advise', etc. In the center of the page is a large map of India where each state is represented by a different type of agricultural produce. The bottom of the page has a footer with the 'HORTNET' logo, the text 'AGRICULTURE & HORTICULTURE INFORMATICS DIVISION', and a 'powered by' logo for the 'NATIONAL INFORMATICS CENTRE' (NIC).

2.1.4 Website of Maharashtra State Seeds Corporation – <http://www.mahabeej.com>

महाराष्ट्र राज्य बियांग महासंडक मरीदित
MAHARASHTRA STATE SEEDS CORPORATION LTD.

"Mahabeej Bhavan", Krishi Nagar, Akola 444 104(M.S.) India
 PBX Phone: (0724)-2455093, 2258480 | Fax: (0724)-2455167, 2455287

JOB Deputy General Manager (Internal Audit), Company Secretary-cum-Deputy General Manager

Home	About Us	Contact Us	Rights to Info. Acts'	What's New?
Products List	Research & Development	Publications	Our Achievements	Feedback
Tender Notice	Important Links	Job List	Locate Head Office	Written Tests, Results, Interviews & List of Selected Candidates
eMail Login	Applications	(click here MSSCL Users Only)		

Visitors : 121789

New User? Register | Sign In | Help

* All copyrights © reserved with MSSCL, Akola Year 2009-2010 *

Designed, Developed & Maintained By : K. Asif Ahmed (System Manager)
 D. N. Kalbende, Computer Cell, Mahabeej Akola

2.1.5 Website of Maharashtra Agro Industries Development Corporation Ltd (MAIDC)– <http://www.maidcmumbai.com>

The Maharashtra Agro Industries Development Corporation Ltd (MAIDC)
A Movement of Soil to Soul

Home | About Us | Management | Performance | Tenders | Contact Us | Site Map

Fertilizers | **MAIDC** was founded in 1965 to promote modernisation of the Agro sector through mechanisation. **MAIDC** is a profit oriented organisation right from its inception and has been operating through five working divisions. The working divisions of **MAIDC** are as under:

Pesticides |

Agro Engineering | • Fertilisers
• Pesticides
• Agro Engineering
• Animal Feed
• Processed Food - NOGA
• Projects

Animal Feed |

NOGA |

Projects |

[Adv. Published in Indian Express,Lokstta Mumbai Edition for Recruitment for the post of Manager at Akola.](#)

[Application form.](#)

2.1.6 Website of Maharashtra State Warehousing Corporation – <http://www.mswarehousing.com/english>

The screenshot shows the official website of the Maharashtra State Warehousing Corporation. At the top left is the logo featuring a stylized mountain or hill. The main title "Maharashtra State Warehousing Corporation" is displayed prominently, followed by the subtitle "(A Government Undertaking)". To the right is a photograph of a modern, multi-story warehouse building.

HOME

SALIENT FEATURES

- » Widest Network Of Warehouses Amongst All Indian States - 168 Centres With about 800 Godowns.
- » Statutory Public Warehouse Keepers for Agricultural Produce Inputs & Stocks in its Warehouses.
- » Warehousing Capacity Over One Million MT. i.e. 12,21,186 MT
- » FIFTY THREE Years Standing In Warehousing Business.
- » National Productivity Award Winner For The last 7 Years.
- » High Average Capacity Utilization - 89%.
- » Warehouse Receipts Accepted By All Banks As Security For Financing.
- » Warehousing Open To Individuals As Well As Organisations.
- » Farmers, Scheduled Castes And Scheduled Tribes Given Rebate In Warehousing Charges.
- » A Shining Example Of Highly Efficient & Profitable Public Sector Undertaking.

MSWC Vision Document 2015

महाराष्ट्र लोकांनी अंतरु पदे, यिथेचे प्रवर्गानुसार अरलेली पदे व रिक पदे यांची माहिती दर्शविणारे यिवरणपत्रे .

Click here for E-Tendering

ANNUAL REPORT 2009-2010[English]

ANNUAL REPORT 2009-2010 [Marathi]

@ Enquiry

Photo Gallery

Maharashtra State Warehousing Corporation
583/B, Market Yard, Gultekdi, Pune - 411037, Maharashtra, India.
Tel. : 91 020 66266800, 24262951, Fax : 91 020 66266829, 66266839, 66266849
Email : mswc2k@yahoo.com, mswcinfo@mswarehousing.com

hosted on drushti e-servers

2.1.7 Website of Dr Balasaheb Sawant Konkan Krishi Vidyapeeth – <http://www.dbskkv.org>

The screenshot shows the homepage of Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth. The header features the university's logo and name. Below the header is a large banner image showing agricultural fields and produce.

DR. BALASAHEB SAWANT KONKAN KRISHI VIDYAPEETH, DAPOLI. (AGRICULTURAL UNIVERSITY)

[Home](#) | [About us](#) | [Achievements](#) | [Admission](#) | [Statutory Board](#) | [Information Act](#) | [Feedback](#) | [Contact](#) | [Email Login](#)

About Our University

Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth is having jurisdiction of five districts of Maharashtra state viz.Brihan-Mumbai, Thane, Raigad, Ratnagiri & Sindhudurg districts of Maharashtra state. The major objective of the university is agricultural education, research & extension education in an integrated way to attain the sustainable agricultural development.

[More...](#)

Chancellor	Hon. Shri. K. Sankaranarayanan H.E. Governor of Maharashtra
Pro-Chancellor	Hon. Shri. Radhakrishna Eknathrao Yikhe-Patil Minister for Agriculture & Marketing
Vice-Chairman, MCAER, Pune	Hon. Shri. Vijay Kolte
Vice-Chancellor	Dr. Kisan E. Lawande

Interview / written test - Notice Now

Current openings

Student's Corner

Tenders

What's New

Mahiti Adhikar
SANAD

Head of Student Placement

NIS AgNet

Schedule Download

Dapoli
32°C
AccuWeather.com™ Weather Forecast

Agromet Advisory Services
हवामान पुर्वानुमान आधारीत कृषि सल्ला सेवा

Technology & Research

Education

Research

Extension

What's New

NAIP-konkan

Online Application for AIEEA-UG/PG-2012

2.1.8 Website of Dr Panjabrao Deshmukh Krishi Vidyapeet – <http://www.pdkv.ac.in>

 **Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola**

Search Go Home Contact Us

Daily Rainfall 0.0 mm
Temperature Min 27.7°C Max 42.0°C **Weather (More)**

Dr. Panjabrao Deshmukh | **Education** | **Research** | **Extension**

"I have deep respect about Indian farming and farming community. In my view farmer is the ultimate wealth producer. Their sincerity, efforts, inbuilt kindness within them and love for the nation is incompatible. Frequently, I have experienced it."Dr. Panjabrao Bahusaheb Deshmukh

News

- १४ एप्रिल २०१२ रोजी डॉ. बाबासाहेब आंबेडकर यांची जयंती समारोह आयोजित
- कर्षी विद्यापीठात डॉक्टर पंजाबाव उपाध्या भाऊसाहेब देशमुख स्मृती दिन संपन्न
- कर्षी विद्यापीठात महिला मेळावा संपन्न
- स्कूल आणि आले उत्पादन तंत्रज्ञान प्रशिक्षण संस्पन्न
- स्नेहसम्मेलन महाज्ञेयवार्षी विकासाचे विकासाचे व्यासपौठ

[click here for more news.....](#)

Photo Gallery



Forthcoming Events

Research Review Committee meetings-2011-12 will be from 26th March 2012

All India Entrance Examination for the year 2012-13

click here for more news.....

Publications

PDKV News Jan-March-2011	कृषि पत्रिका Aug-11 Sept-11 Oct-11 Nov-11 Jan-12 Feb-12 March-12 April-12
Admission	UG Result
Tenders	PG Result
Trainings	PhD Result
Circulars	Recruitment



Vice-Chancellor
Minister for Agriculture

UGC - Film on ANTI-RAGGING

Krishi Pandhari
(Krishi Film)

University Song (Vidyapeeth Geet)
[Audio Video](#)

DrPDKV Varieties Information System

Agriculture Implements and Machineries

Modernization of Agricultural University Farms

Pest Situation During 2011-12 in Major Crops in Vidarbha Region
Farmers and Trainers training conducted for Scaling up of water Productivity in Agriculture for livelihoods during 2011-2012

National Knowledge Network (NKN)

National Mission on Education through Information & Communication Technology (NME-ICT)

INIS AgENet

For Any Grievances:
E-Mail To
Ex. Justice Shri H.W.Dhabe:-
Enquiry Report
Visitor No.: **186806**

Disclaimer :

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© 2008 ARIS Cell, Dr.Panjabrao Deshmukh Krishi Vidyapeeth,Akola

2.1.9 Website of Mahatma Phule Krishi Vidyapeeth – <http://mpkv.mah.nic.in>

Mahatma Phule Krishi Vidyapeeth, Rahuri
(An Agricultural University)

Welcome to Mahatma Phule Krishi Vidyapeeth, Rahuri

Home **Email bank** **Seed Cell** **Agril.Universities** **News ...**

Contact : चौकरी
General Enquiry
ATIC 02426-243861
Educational Enquiry
Dy. Reg.(Acad) 02426-243215
More ...

MPKV News Letter
MPKV at a Glance
[Convocation_Speech DG](#)
[Convocation_Speech VC](#)

Vice Chancellor
M.P.K.V. , RAHURI

Dr. TUKARAM A. MORE

New Administrative Building, M.P.K.V., Rahuri

"Samaj-Bhushan Puraskar" to Hon.Dr.T.A.More ...

SRF, JRF, Fieldman Interview programme ...

Tender for barbed wire ...

Notification-Banana-Research Associate

MPKV Rahuri JRA Exam 2012 - Cut-Off List ..

Rate Contract e-Accessories...

Waiting List of Candidate to be appointed on Compassionate Ground (ANUKAMP)




2.1.10 Website of Marathwada Agricultural University – <http://mkv2.mah.nic.in>



MARATHWADA KRISHI VIDYAPEETH PARBHANI (MS) (An Agricultural University)



About MAU

Organisation

Activities

Admission

Publications

Weather Watch

Library




पांच अपाव उमेदवाराची अंतीम यादी
अर्थग / मागासवर्गीय अनुशोध भारती व कक्ष अभिकारी

अनुकंपा तत्वाबर नौकरीसाठी अर्ज केलेल्या
उमेदवारांची प्रतीक्षा सूची

Advertise MKV-1/2011 Dt. 17.11.2011(Handicap Anushesh),
MKV-2/2011 Dt. 18.11.2011(OBC- Anushesh), MKV-2/2009
Dt. 24.02.2009(Section Officer)

Advertise for Anushesh and Physically Handicapped (Eligible and
Not-Eligible Candidate List) 2011

Educational Flip Charts on Child Care and Development,
MKV Statute, Regulation, Univ Act & Account code

Right to Information act 2005

MKV DIARY 2011

विस्तार शिक्षण उपकरणाचा संकेत अहवाल

MKV, Parbhani Employees Groupwise reservation details

STATE LEVEL SEMINAR 2012 Organised By: Parbhani
Chapter of Indian Society of Soil Science

ICAR's 17th All India Entrance Examination

Success Story of Karawdi Namdapur Watershed

Marathwada Krishi Vidyapeeth Parbhani has entered in MOU
with National Institute of Plant Health Management

MCAER Web Site

Rate Contractfor Computers, Govt. of Maharashtra, Desktop/
Laptop/Scanner/Printer Valid till 30th January, 2013

Research

Tender

Advertisements & Related..

Marketable Products

Seed Production

Research Projects

Released Varieties

Developed By : Central Computer Center MKV Parbhani (MS) - 431 402 India. In Case of Doubt or inadvertent error that may have crept in the content being published on web site, the displayed information must be verified with authentic source with the concerned office. The content published on this web site are for immediate information to the users.

Page | 37

2.1.11 Website of Department of Animal Husbandry, Government of Maharashtra – (<http://ahd.maharashtra.gov.in/>)

Skip to main content | Skip to navigation A+ A- A



**Department of Animal Husbandry,
Government of Maharashtra (India)**

Home Login Sitemap Contact Us About Us

↶ **Animal Husbandry**

- [Online Recruitment](#)
- [Etenders](#)
- [Tenders](#)
- [Medicine Test reports](#)
- [IVBP](#)
- [DIS](#)
- [MLDB](#)
- [Sheep & Goat Corp.](#)
- [Poultry Development](#)
- [MAFSU](#)
- [MACP](#)
- [Acts & Rules](#)
- [Schemes](#)
- [Policies](#)
- [Circulars](#)
- [Statistical Data](#)
- [Sample Survey Data](#)
- [Livestock Census](#)
- [RTI](#)
- [Annual Reports](#)
- [Performance Budget](#)
- [GRs / Guidelines](#)
- [District At A Glance](#)
- [List of Beneficiaries](#)
- [Employees Corner](#)
- [Important Link](#)

Latest News

NEW Result of Examination conducted by Animal Husbandry Department on 1 july 2012

Model Nabard Project report for rearing broilers, sheep & goats and buffaloes

FSLs achieve Excellence

Rate contract of fodder seed

Rate contract of cattle and poultry feed

R K V Y Breed Village Scheme



Veterinarian's Oath

Veterinarian's OathOath Being admitted to the profession of Veterinary Medicine, I solemnly swear to use my scientific knowledge and skills for the benefit of society through the protection of animal health, the relief of animal suffering, the conservation of livestock resources, the promotion of public health, and the advancement of knowledge in Veterinary Science. I shall practice my profession conscientiously, with dignity, and in keeping with the principles of Veterinary Medical ethics. I accept as a lifelong obligation the continuous improvement of my professional knowledge And competence.

.....Department of Animal Husbandry



माहितीपट पशुसंवर्धन विभाग महाराष्ट्र शासन,
(भारत).

How to avoid diseases From Milk To Human 10 Tips for Animal Feed

[Read more](#)



Sheep & Goat

Reat Mahatma Gandhi honored 'Goat as poor mans Cow' knowing its importance As per the guidelines of the Govt. of India, Maharashtra Livestock Sheep and Goat Corporation Kind Attention: NGOs/Farmers Integrated Development of Small Ruminants (338KB)

[Read more](#)



Maharashtra Livestock Development Board

As per the guidelines of the Govt. of India, Maharashtra Livestock Development Board, Akola a state implementing agency has been established..... More Information About Maharashtra Livestock Development Bord

[Read more](#)



PHOTO GALLERY

Circulars | LiveStock Census | GRs | Download Forms | FAQ | Citizen Charter | Photo Gallery | Informative Videos | Training Material | Other Important Sites |

Disclaimer
© Animal Husbandry Department Government of Maharashtra

It is website is the official website of the Department of Animal Husbandry, Maharashtra State. The website content is available in English and Marathi. This website provides the following information -

- About Department
- Latest News
- Online Recruitment

- Tenders
- eTenders
- Medicine Test reports
 - 2010-12
 - 2012-14
- IVBP (Institute of Veterinary Biological Products)
 - Introduction
 - How Vaccines can be procured
 - About Vaccines and Vaccination
 - Bacterial Vaccines
 - Viral Vaccines
 - Diagnostic Antigens & Regents
 - New Events
- DIS (Disease Investigation Section)
 - About DIS
 - Bird Flu
 - Technical Bulletins
 - Disease Alerts and Forecasting of Important Livestock Diseases In Maharashtra
 - Disease Outbreak Report
 - Seminars
 - Training
 - Disease Reporting System
 - Leaflets
 - Notes on Laboratory Techniques
- MLDB (Maharashtra Livestock Development Board)
- Sheep and Goat Corporation
 - History & Activities of Corporation
 - Board of Directors
 - Objectives
 - Information Related to farms of Corporation
 - Latest Population of Sheep & Goat
 - Schemes
 - Goat Breeds of Maharashtra
 - Sheep Breeds of Maharashtra
 - Sheep & Goat Sector in Maharashtra
 - Sheep & Goat Management Training for Farmers
 - Photo Gallery
 - Right to Information Act 2005
 - R K V Y Breed Village Scheme
 - Citizen charter - Sheep and goat corporation
- Poultry Development
 - Introduction
 - Leaflets
 - Breed wise information of newly introduced low input technology birds
 - National Co-operative Development Corporation Assisted-Sponsored Projects
 - Poultry Circular (In Marathi)
 - Pullet distribution scheme state
- MAFSU (Maharashtra Animal and Fisheries Sciences University)
- MACP (Maharashtra Agriculture Competitiveness Project)

- Acts & Rules
- Schemes
- Policies
- Circulars
- Statistical Data
- Sample Survey Data
- Livestock Census
- RTI (Right to Information Act)
- Annual Reports
- Performance Budget
- GRs / Guidelines
- District: At a Glance
- List of Beneficiaries
- Employees Corner
- Important Links

2.1.12 Maharashtra Animal and Fishery Sciences University (<http://www.mafsu.in>)



**2.1.13 Website of Department of Fisheries, Government of Maharashtra –
(<http://fisheries.maharashtra.gov.in/>)**

The website is the official website of the Department of Fisheries, Maharashtra State. The website content is available in English and Marathi. This website provides the following information -

- About Department
- Taraporewala Aquarium
- Inland (Reservoir) Fisheries
- Conservation of Fishery
- Fishing Harbour and Jetties

- Fish Seed Centers
- News - Fisheries
- Acts & Rules
- G.R. & Circulars
- Fisheries Resources
- Infrastructure Provided
- Budget
- Annual Reports
- Packages
- RTI
- Fisheries Statistics
- Statistics and Charts
- Disaster Management
- Co-operative Network
- MFDC
- Employees Corner
- Code of Conduct
- Advertisement

2.1.14 Other websites

At National Level

SN	Domain	Description	URL
1		Fertilizer Monitoring Application	FMS Application
2		Department of Agriculture and Cooperation	http://agricoop.nic.in
3		An eGov4D Infrastructure for globalizing Indian Agriculture	http://dacnet.nic.in
4		Crop wise Variety and Product recommended for crops	http://seednet.gov.in
5		Central Insecticides Board and Registration Committee website	http://cibrc.nic.in
6		Bureau of Indian Standards	http://www.bis.org..in
7		One Stop shop for Farmers for information on crops, Best Practices etc.	http://dacnet.nic.in/farmer/new/home-new.html
8		IPM Practices for 77 crops and Pest Roving Survey data upto district level	http://ppqs.gov.in
9	Horticulture	National Horticulture Mission	http://nhm.nic.in
10		Rashtriya Krishi Vikas Yojana	http://rkvy.nic.in
11		National Institute of Agricultural Extension Management	http://www.manage.gov.in/default.asp
12		Indian Council of Agricultural Research	http://www.icar.org.in/en/index.htm
13		International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)	http://www.icrisat.org/icrisat-aboutus.htm
14	National Food Security Mission	National Food Security Mission	http://n fsm.gov.in/NfsmMIS/StateProfile/Introduction.aspx?SUN=27
15	Directories: Exporters	The Agricultural and Processed Food Products Export Development Authority (APEDA)	http://www.apeda.gov.in/apedawebpage
16	Directories: Importers	(APEDA)	http://www.apeda.gov.in/apedawebpage/Directory/trade.htm
17	Marketing/Export	Online Market Rates	http://agmarknet.nic.in
18			http://www.agriwatch.com
19			http://agriexchange.apeda.gov.in
20	Statistics	Agriculture Census	http://agcensus.nic.in
21		Crop Statistics	http://agricoop.nic.in/Agrististics.htm
22	Pest Management	National Centre for Integrated Pest Management	http://www.ncipm.org.in
23	Govt. of India	Govt. of India	http://india.gov.in
24	Meteorological	Indian Meteorological Department	http://www.imd.gov.in

25	Websites	Agricultural Meteorology Division	http://imdagrimet.org
26		National Centre for medium range weather forecasting	http://www.ncmrwf.gov.in
27	Crop Weather : Agriculture Advisory Service	Agricultural Meteorology Division (IMD)	http://www.imdgrimet.gov.in
28	Crop Weather : Satellite Image	INSAT IMAGE	http://www.imd.gov.in/section/satmet/dynamic/insatsector-ir.htm
29	Crops Related Websites	Coconut Development Board	http://coconutboard.nic.in
30		National Medicinal Plants Board	http://nmpb.nic.in/index.php
31		National Oilseeds and Vegetable Oils Development Board	http://www.novoboard.com
32		National Horticulture Board (NHB)	http://www.nhb.gov.in
33		The Cotton Corporation of India Ltd.	http://www.cotcorp.gov.in/index.aspx
34		Central Institute for Cotton Research	http://www.cicr.org.in
35		Central Institute for Research on Cotton Technology	http://www.circot.res.in
36		Directorate of Rice Development	http://drd.dacnet.nic.in
37		Directorate of Cotton Development	http://dcd.dacnet.nic.in
38		Directorate of Wheat Development	http://dwd.dacnet.nic.in
39		Directorate Of Sugarcane Development	http://dsd.dacnet.nic.in
40		Directorate of Cashew nut & Cocoa Development	http://dccd.gov.in
41		Directorate of Jute Development	http://djd.dacnet.nic.in
42		Directorate of Tobacco Development	http://dtd.dacnet.nic.in
43		Directorate of Millets Development	http://dmd.dacnet.nic.in
44		Directorate of Areca nut and Spices Development	http://dasd.dacnet.nic.in
45		National Research Centre for Cashew	www.nrccashew.org
46		Coffee Board of India	http://www.indiacoffee.org/login.php
47		Tobacco Board of India	http://www.indiantobacco.com/index.php
48		National Research Centre for Onion and Garlic	http://nrcog.mah.nic.in http://www.dogr.res.in
49		National Research Centre for Grapes (NRCG)	http://nrcgrapes.nic.in
50		National Research Centre for Citrus (NRCC)	http://nrccitrus.nic.in
51		National Research Centre for Groundnut (NRCG)	http://www.nrcg.res.in
52		National Research Centre for Soya	http://www.nrcsoya.nic.in

		Soybean	
53		National Research Centre for Sorghum	http://www.sorghum.res.in
54		National Research Centre for Medicinal & Aromatic Plants (NRCMAP)	http://www.nrc-map.org
55		Rice Knowledge Management Portal	http://www.rkmp.co.in/mr
56	Agribusiness Websites	The Cashew Export Promotion Council of India	http://cashewindia.org
57		Commission for Agricultural Costs and Prices	http://cacp.dacnet.nic.in
58		Agricultural Processed Food Products Export Development Authority APEDA	http://apeda.gov.in/apedawebsite/index.asp
59		Agmarknet	http://agmarknet.nic.in
60		Choudhary Charan Singh National Institute of Agricultural Marketing	http://www.ccsniam.gov.in
61		Ministry of Food Processing Industries	http://mofpi.nic.in
62		Food Corporation of India	http://fciweb.nic.in
63		Punjab State Agricultural Marketing Board	http://www.mandiboard.nic.in
64		Madhya Pradesh Agricultural Marketing Board	http://www.mpmandiboard.com
65		Andhra Pradesh, Department of Marketing	http://market.ap.nic.in
66		Rajasthan State Agricultural Marketing Board	http://rsamb.rajasthan.gov.in
67		Karnataka State Agricultural Marketing Board	http://krishimaratavahini.kar.nic.in
68		Tamil Nadu State Agricultural Marketing Board	http://www.tnagmark.tn.nic.in
69		Coir Board of India	http://www.coirboard.gov.in
70		Rubber Board of India	http://rubberboard.org.in
71		FCCI - Agribusiness Information Centre	http://agroindia.co.in
72		The Maharashtra Agro Industries Development Corporation Ltd (MAIDC)	http://www.maidcmumbai.com
73		National Bank for Agriculture and Rural Development	http://www.nabard.org
74		National Seeds Corporation (NSC) Ltd.	http://www.indiaseeds.com
75	Agriculture Website Of Other States	Department of Agriculture, Haryana	http://agriharyana.nic.in
76		Department of Agriculture, Andhra Pradesh	http://agri.ap.nic.in
77		Department of Agriculture	http://cgagriddept.nic.in

		Chhattisgarh	
78		Department of Agriculture, Himachal Pradesh	http://www.hpagriculture.com
79		Department of Agriculture, Karnataka	http://raitamitra.kar.nic.in
80		Department of Agriculture Madhya Pradesh	http://mpkrishi.org
81		Department of Agriculture, Meghalaya	http://megagriculture.nic.in
82		Department of Agriculture, Kerala	http://www.keralaagriculture.gov.in
83		Department of Agriculture, Nagaland	http://agringle.nic.in
84		Department of Agriculture Orissa	http://www.agriorissa.org
85		Department of Agriculture Tamil Nadu State	http://www.tnagrisnet.tn.gov.in/website/index.php
86		Department of Agriculture Uttar Pradesh	http://agriculture.up.nic.in
87		Department of Agriculture, Gujarat	http://agri.gujarat.gov.in
88		Department of Agriculture Rajasthan	http://www.krishi.rajasthan.gov.in
89		Department of Agriculture Assam	http://assamgovt.nic.in/departments/agriculture_dept.asp
90		Department of Agriculture Bihar	http://krishi.bih.nic.in
91		Department of Agriculture Mizoram	http://agriculturemizoram.nic.in
92		Department of Agriculture Tripura	http://agritripura.nic.in/tripura.htm
93		Department of Agriculture Andaman & Nicobar	http://agri.and.nic.in
94	Other Agriculture Related Websites	National Agricultural Cooperative Marketing Federation of India Limited	http://www.nafed-india.com
95	Genetically Modified Crops	Ministry of State for Environment and Forests	http://moef.nic.in/index.php
96		Indian Biosafety rules and regulations	http://dbtbiosafety.nic.in
97		http://www.igmoris.nic.in/	http://www.igmoris.nic.in
98		National Research Center on Plant Biotechnology	http://www.nrcpb.org
99	Other Important Links	Department of Consumer Affairs	http://fcamin.nic.in/index.asp
100		Department of Animal Husbandry and Dairying (AH&D)	http://www.dahd.nic.in/dahd/default.aspx
101		Central Institute of Agricultural Engineering	http://www.ciae.nic.in

At Maharashtra State Level

SN	Domain	Description	URL
1	Facilities : Education	Maharashtra Council of Agricultural Education & Research (M.C.A.E.R.)	http://www.mcaer.org/main/index.php
2		Mahatma Phule Krishi Vidyapeeth, Rahuri	http://mpkv.mah.nic.in
3		Dr Panjabrao Deshmukh Krishi Vidyapeeth Akola	http://www.pdkv.ac.in
4		Marathwada Agricultural University, Parbhani.	http://mkv2.mah.nic.in
5		Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli	http://www.dbskkv.org
6	Marketing/Export	Online Market Rates	http://www.msamb.com
7	Statistics :	Rainfall	http://mahaagri.gov.in/rainfall/index.asp
8		Crop watch	http://mahaagri.gov.in/cropwatch/asp/mlogin.asp
9	Soil/Water Conservation :	Perspective Plan	http://mahaagri.gov.in/SoilConProsPlan/scon.htm
10	Projects and Plans : IESA Report	Maharashtra Agricultural Competitiveness Project	http://msamb.com/english/projects/MACP.htm
11	Maharashtra Government	Govt. of Maharashtra	http://maharashtra.gov.in/Pages/Home.aspx
12	Crop Weather : Rainfall	Rainfall	http://mahaagri.gov.in/rainfall/index.asp
13	Horticulture	National Horticulture Mission	http://www.hortnet.gov.in
14	Publication : Krishi Dainandini	Marathwada Krishi Vidyapeeth Parbhani	http://mkv2.mah.nic.in/diary11/AGRI11.htm
15	SMS Services	MAHAAGRI SMS	http://www.mahaagrism.com/default.aspx?AspxAutoDetectCookieSupport=1
16	Crop Weather : Agriculture Advisory Service	Regional Meteorological Centre Mumbai	http://www.imdmumbai.gov.in
17		Regional Meteorological Centre Nagpur	http://imdnagpur.gov.in
18		Regional Meteorological Centre Pune	http://imdpune.gov.in
19	Important Links : Other Agriculture Related Websites	The Maharashtra Agro Industries Development Corporation Ltd (MAIDC)	http://www.maidcmumbai.com
20		Maharashtra Chamber of Commerce Industries and Agriculture (MCCIA)	www.mcciapune.com
21		sheti.com	www.sheti.com
22		Vasantrao Naik Sheti Swavlamban Mission, Amravati	http://www.vnss-mission.gov.in
23	Important Links	Maharashtra State Warehousing Corporation	http://www.mswarehousing.com/english

24	Important Links : Krushi Vigyan Kendras From Maharashtra	Maharashtra State Small Farmers Agribusiness Consortium	New/index.html">http://mahaagri.gov.in/SFAC>New/index.html
25		Maharashtra Animal & Fishery Sciences University	http://www.mafsu.in
26		Central Institute of Fisheries Education	http://www.cife.edu.in
27		The Marine Products Export Development Authority	http://www.mpeda.com
28		Fisheries College, Shirgaon, Ratnagiri	http://www.dbskkv.org/education/education_fira.html
29		Maharashtra State Dairy Development Department	http://dairy.adfmaharashtra.in
30	Important Links : Krushi Vigyan Kendras From Maharashtra	Krishi Vidyan Kendra, Babhaleshwar, Ahmednagar	http://www.kvk.pravara.com
31		Krishi Vigyan Kendra, Akola	http://www.kvkakola.org
32		Krishi Vigyan Kendra, Ghatkhed, Amaravati	http://www.kvkamravati.org
33		Krishi Vigyan Kendra, Beed	www.drikvkbeed.org
34		Krishi Vigyan Kendra, Buldhana	http://www.kvkbuldhana.org
35		Krishi Vigyan Kendra, Chandrapur	http://kvkchandrapur.org
36		Krishi Vigyan Kendra, Gondia	http://kvkgondia-pdkv.org
37		Krishi Vigyan Kendra, Hingoli	http://www.kvkhingoli.com
38		Krishi Vigyan Kendra, Kolhapur	http://www.kvkkolhapur.com
39		Krishi Vigyan Kendra, Nagpur	http://www.kvknagpur.org.in
40		Krishi Vigyan Kendra, Nandurbar	http://kvknandurbar.net
41		Krishi Vigyan Kendra, Nashik	http://www.kvknashik.com
42		Krishi Vigyan Kendra, Baramati	http://www.kvkbarhamati.com
43		Krishi Vigyan Kendra, Satara	http://kvkarad.org
44		Krishi Vigyan Kendra, Sindhudurg	http://www.kvksindhudurg.com
45		Krishi Vigyan Kendra, Solapur	http://www.kvksolapur.org
46		Krishi Vigyan Kendra, Thane	www.kvkthane.com
47		Krishi Vigyan Kendra, Wardha	http://www.kvkwardhapdkv.org
48		Krishi Vigyan Kendra, Washim	http://www.kvkwashim.com
49		Krishi Vigyan Kendra, Yavatmal	http://www.kvkyavatmalpdkv.org
50		KVK Dr Panjabrao Deshmukh Krishi Vidyapeth, Akola	http://www.pdkv.ac.in/ExtensionKvk.php
51		Krishi Vigyan Kendra, Durgapur Amaravati	http://kvkdurgapur.org
52		Krishi Vigyan Kendra, Dhule	http://kvkdhule.freeservers.com
53		Krishi Vigyan Kendra, Latur	http://kvklatur.com

2.2 Gaps and Issues with current System

- No single point for complete information
- Stakeholders have to access multiple websites for information relevant to different sections

2.3 State Agricultural Portal – Perspectives

The Portal would be developed as a Mission Mode Project under the National e-Governance Plan of the Government. The objective behind the Portal is to provide a single window access to the information and services being provided by the Department of Agriculture and all other line departments like Department of Animal Husbandry and Department of Fisheries for the citizens and stakeholders. An attempt has been made through this Portal to provide comprehensive, accurate, reliable and one stop source of information about Agriculture and its various facets. Links to other websites and sources of information too will be provided.

The content in this Portal will be a collaborative effort of various Indian Government Ministries and Departments, at the Central/State/District level.

The scheme orientation that has traditionally been the mechanism for addressing the needs of the farmers has been changed in light of achieving the overall objectives of the project by providing a service orientation to them. This essentially means that the government under the Agriculture Mission Mode Project would provide services in addition to the existing schemes and programmes of the central and state governments, which would be integrated in nature. This also implies that in the proposed scenario, no matter, if the services originate from the central or the state government, they would be provided through a single delivery interface to the farmer.

The key recommendations for the services, in the proposed project provide the accessibility to the following information and sub services to the farmers:

- Providing information on crops
- Providing information on pesticides
- Providing information on fertilizers
- Providing information on seeds
- Providing information on soil health
- Providing information on crop diseases
- Providing information on forecasted weather
- Providing market information on prices and arrivals of agricultural commodities
- Providing related market information to facilitate farmers get better prices
- Providing interaction platform for producers, buyers and transport service providers
- Providing information on Minimum Support Price and Govt. Procurement Points
- Providing electronic certification for imports and exports
- Providing information on marketing infrastructure and post harvest facilities
- Providing information on storage infrastructure
- Monitor implementation of schemes / programmes
- Providing training support to farm schools for adoption of GAPs
- Sharing Good Agricultural Practices with farmers & trainers and providing extension support through online video

- Providing information on fishery inputs
- Providing information on irrigation infrastructure
- Providing information on Farm Machinery
- Providing information on Harvesting
- Providing information on Import / Export
- Providing information on Organic Farming
- Providing information on Fodder
- Providing information on Livestock
- Providing information on Horticulture
- Providing information on Floriculture
- Providing information on Vegetables
- Providing information on Government Policies and Initiatives
- Providing Drought Relief Information
- Providing latest News
- Providing Interactive Platform for farmers
- Providing information specific to season/month for crops in that season/month state-wise

The Portal will also contain the following components:

- Grievance Management
- Expert Advisory System

2.4 Grievances Redressal Management(GRM) and Expert Advisory System (ESA)

2.4.1 As-Is Process

The current system for Grievance Management is manual. The process is as described below:

- Farmer registers grievance with officer at Block/Taluka level.
- If the grievance can be addressed at Block/Taluka level, the officer provides the solution/information to the farmer
- In case the Block/Taluka Agriculture Officer is not able to handle the grievance, application is forwarded to District DDA or JDA who resolve the issue or further forward the application to Department of Agriculture in Pune.
- Block/Taluka Officer is informed of the resolution from the Taluka/District office or Department of Agriculture. Block/Taluka officer informs the farmer.
- In some cases, farmer needs to travel to the Taluka/ District office for resolution

The current system for Expert Advisory is manual. The process is as described below:

- Farmer registers for expert advice with officer at Block/Taluka
- If the Block/Taluka Agriculture officer can help the farmer, the officer provides the solution/information to the farmer
- In case the Block/Taluka Agriculture Officer is not able to handle the information need, application is forwarded to District DDA or JDA who resolve the issue or further forward the application to Department of Agriculture in Pune.
- Block/Taluka Officer is informed of the information from the Taluka/District office or Department of Agriculture. Block/Taluka officer informs the farmer.
- In some cases, farmer needs to travel to the Taluka/District office for advice.

Alternatively, the farmer can call the Kisan Call Center or the State run Call Centre or ATIC Call Centre. The steps are as described below:

- Farmer calls any of the Call Centers listed above
- Agent registers need for advice
- Agent refers the Knowledge Management System
- Agent offers advice

Issues with Current System

- Process is manual
- Agriculture officer is single point of contact
- If issue is not resolved at Agriculture Officer, then
 - Either, farmer has to wait for information to be provided by Taluka / District office. This often leads to delay in issue resolution
 - Or, farmer has to travel to different offices. This also leads to delay in issue resolution in addition to the hazards of traveling faced by farmer.

2.4.2 Scope of Grievance Redressal Management System(GRMS) and Expert Advisory System (EAS)

The following basic components shall be considered in the GRMS and EAS:

- Provision for easier and approachable channel for submitting the grievances/queries
- Multiple channels for submitting the grievances/queries and for delivering the services
- Delivery of services in local languages
 - Consideration of Cross Platform language issues on mobile devices /electronic devices
 - Provision for the personalized advisory system for season specific, crop specific and location specific

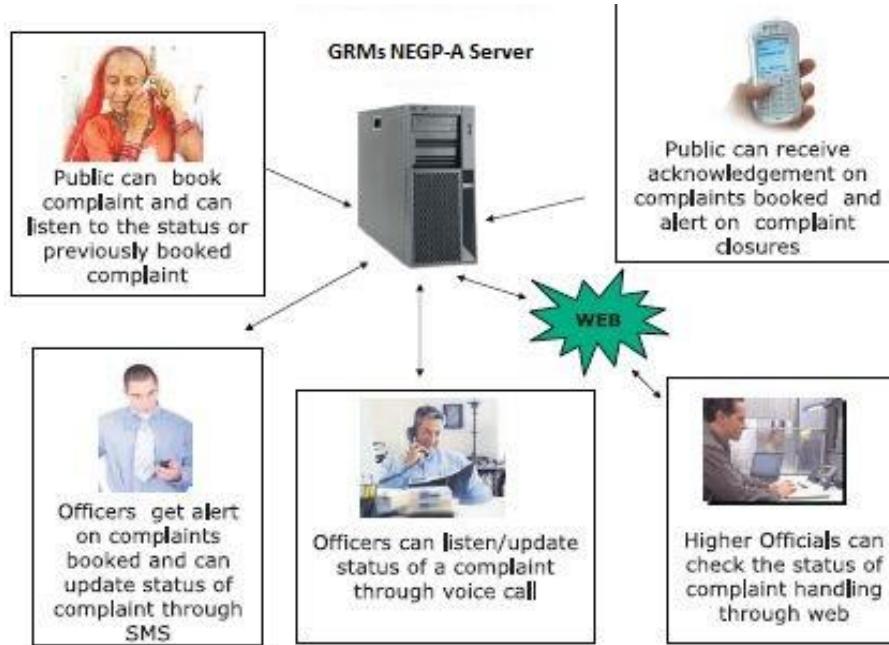
2.4.3 To-Be Solution

Based on above scope the proposed solution for GRMS and EAS can be envisaged suitable for A-MMPs. Following points will be considered in the development of GMS and EAS for NEGP-A.

- The GRMS and EAS shall be the part of the A-MMPs and interact with all 12 services of A-MMPs, so that an integrated common platform with Open Architecture shall be adopted for GRMS, irrespective of any cross platform issue among software modules of services.
- The grievances in GRMS and queries for EAS are being received from grass root level i.e. from the farmer-community across the state of Maharashtra. The technological solution should be as much as simple and handy to use for them.
- Facility has to be provided for submitting the grievance in GRMS and queries for EAS through multiple channels web interface / SMS / IVRS system.
- Provision to acknowledge the complainant by issuing complaint registration number through SMS/IVRS/WEB Interface.
- The System will support English and the regional language.
- Automatic generation of reminder / SMS alert to concerned officer, if action has not been taken in specified time.
- Provision for delivery of advices according to State / Region / Crop specific.
- The GRMS and EAS system shall be automatic as much as possible with less human intervention except for submitting and updating grievances.

- Provision in GRMS and EAS shall be added for broadcasting of any specific / urgent information for farmers / Stakeholders / Govt.
- Integration of GRMS and EAS with news channels / mass media for dissemination of information of advisory system, if required.

2.4.4 Information Architecture of GRMS – NeGPA

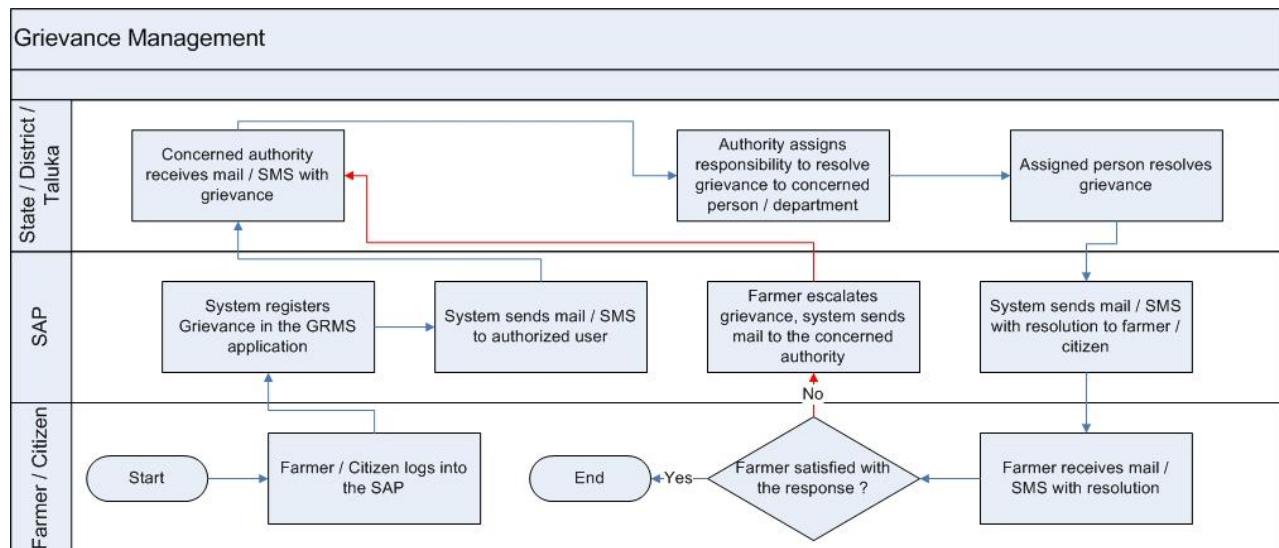


2.4.5 Expected Outcomes

- Easy interface to submit the grievances and queries
- Effective monitoring of grievances of queries resolved
- Immediate dissemination of information to farmer and concerned user

2.4.6 Grievance Redressal Management Process Workflow

The grievance management module would facilitate the farmers/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.

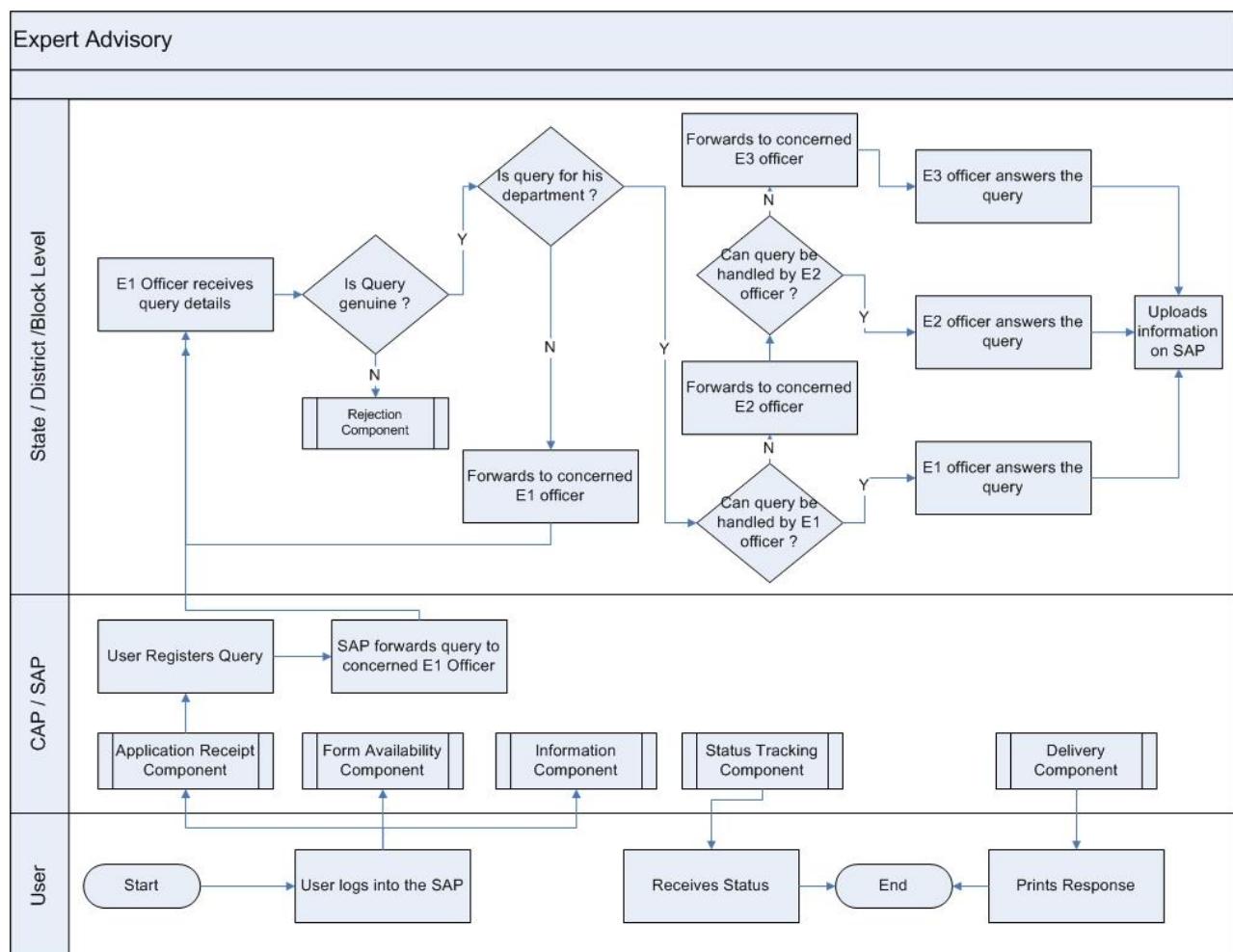


2.4.7 Expert Advisory Workflow

The expert advisory module would facilitate the SMEs (Subject Matter Experts) to provide the advices against the queries received from the farmers and citizens. If the query is not relevant to the SME, it could be forwarded to the concerned SME. In case the SME is not able to give advice within designated time of the query submission, it will automatically be forwarded to the next authorized expert for his/her advice.

The modules to be managed are:

1. Adding Query (Through the Frequently Asked Question module)
2. Query Acceptance and Managing Expert Advisory



3. SPECIFIC REQUIREMENTS

3.1 Users of State Agricultural Portal

SI No.	Type of User	Description
1.	Visitors	Common Citizen to SAP
2.		Registered Visitor to CAP
3.	Content Contributors	Farmers <ul style="list-style-type: none"> a. Individual farmers b. Farmer groups c. Farmer cooperatives d. Common Citizen
4.		Central Government <ul style="list-style-type: none"> a. Department of Agriculture & Cooperation b. Attached Offices and Directorates c. Testing Labs d. Academic and Research Institutions
5.		State Government <ul style="list-style-type: none"> a. Department of Agriculture & Cooperation b. Attached Offices and Directorates c. Testing Labs d. Academic and Research Institutions
6.		Private Sector <ul style="list-style-type: none"> a. Manufacturers / Wholesalers / Dealers of inputs b. Importers and exporters of agriculture produce c. Traders, Buyers and Commodity Exchanges d. Call Centres e. Agri Business Clinics and Centres

3.2 User Interfaces

- The home page of the State Agricultural Portal will be accessible using a defined URL across the world by any user through Internet.
- One should be able to navigate through the State Agricultural Portal of Maharashtra Home page with or without mouse and Keyboard.
- It will be supported across different Operating Systems and browsers.
- The home page of State Agricultural Portal and all pages and links across it will have beautiful appearance with good images and banners, links with meaningful headings.

3.2.1 User Interface for the Home Page of the State Agricultural Portal

- On the top of home page, there will be a graphic image across the width of home page signifying India's National Emblem making it distinct as government website. It shall also have the Maharashtra Emblem i.e. the Lamp Image ('Laman Diva', mandatory for Maharashtra Website and Graphic image of Maharashtra Map)
- Different Sections covering Government, Citizen, Departments, Sectors, and Business. All these sections will contain a small introduction to the section along with links to subsections within the section.

- The Portal will also contain the following components :
 - Grievance Management System
 - Expert Advisory System
- Header Links to Site Map, Add to Favorite, Tell a Friend, Feedback and Contact Us
- Flash display of crops relevant to the season/month
- One can search contents from State Agricultural Portal
- Sign in for Personalized Viewing of State Agricultural Portal. For personalized viewing the visitor will need to register in the State Agricultural Portal
- Spotlight: Latest topic of concern, updated every fortnight
- How do I: - For Searching information for the services provided by the government, government undertakings and NGOs
- Latest News: - Latest news updates
- Link to maps of different categories like maps of India, Maps of State, District Maps, Soil Maps, Fertility Index etc.
- Announcements Section: - One can visit to search announcements made for Central and State government departments
- Banner linked to latest subject of concern. It will change frequently as and when required.
- Weekly content from State Agricultural Portal: - It will contain important content from the State Agricultural Portal
- Footer Links to About this Portal, Help, Terms of Use, Visitors Summary, Newsletter, Your Opinion, Press Media Coverage and Accessibility Statements, Introductory Statement to the State Agricultural Portal

3.2.2 Common in all User Interfaces for Sections and Sub-Sections of SAP

For the sake of similarity, resemblance and identity across the entire State Agricultural Portal, all pages linked through the Portal Home page to Sections and Sub-Sections would have some common features mentioned below.

- All pages will contain same Header Image signifying the page to be part of State Agricultural Portal. Link on this image will lead back to Home page of the State Agricultural Portal
- Header Image signifying Section and Sub-Section of the State Agricultural Portal
- State Agricultural Portal menu containing sections heading and link to sections Citizen, Business, Department, Government, Know State, Sectors, Directories, Forms, Maps, Tenders
- Source information Icon (mouse on event describing the source of content.) Sections or Sub-Section last updated information
- Sub-section Links under the Section
- Footer with links to Home, About the Portal, Site Map, Link to Us, Add to Favorite, Suggest to a Friend, Help, Terms of Use, Feedback on each page of the Portal
- Copyright Information

3.2.3 Common features in all the pages of the portal

i. User Interface for Sections Government, Citizen, Business and Sectors

Other than the common interface mentioned in previous section, user interface for the Sections would contain all the sub-section with icon image and link, along with small description about the section on the top.

- Section Header Image

- Breadcrumb Just below the Section Header Image
- Iconic Subsection Links
- Small Introduction to the section
- More Sub-section link with small banner
- Footer sub-section links as Iconic Sub-section link. Both the links iconic and footer will lead to same page

ii. User Interface for Sub-Sections under Section Government, Citizen, Business, Departments, Know State and Sectors:

Sub-Section under the section is mostly an area, subject or topic of interest. Sub-Section page would contain in depth information on the topic or link to the page or URL of a website, where you may get the detailed information on the subject or topic or schemes or services.

- Sub-Section Header Image
- Breadcrumb Just below the Sub-section Header Image
- Small introduction to the Sub-section.
- Further Subsection Links
- Sub-section link with small banner
- Related links outside the State Agricultural Portal.
- Footer Sub-section links.

iii. Linking to External Website or Portal

On the State Agricultural Portal, two types of links will be there. One content coming from the State Agricultural Portal repository will be termed as Internal Link. Link leading to some URL outside the State Agricultural Portal repository will be termed as External Link. If any link leads to external website or portal, it is proposed to be opened in the new window. The URL should clearly be shown with outerwin.htm in the URL box. A message should also be displayed on mouse on event on the exclamation symbol.

External links in the State Agricultural Portal are verified once in a week for its availability. In case it is found not working, a message is sent to the concerned. In case it is not made operational for next one week or no message is received for alternate URL or no message is received regarding this, the link is removed from the State Agricultural Portal. External links are also added and removed in State Agricultural Portal as per its usability and non-usability.

In subsection of the State Agricultural Portal, External Links are put under heading Related Links.

In case there is no External Links available at any time, the heading Related Links will not be of any use and it will be removed.

Sections with Interactive User Interfaces

Some section of the State Agricultural Portal would be provided with visitor interaction facility either to gather information of user to provide visitor specific

facility (Personalized State Agricultural Portal) or to get comment from the visitor for further improvement of the Portal (Speak out your Opinion or Feedback) or to let the visitor seek some specific information (search facility).

3.3 Hardware Interfaces for State Agricultural Portal

It will be decided during the later stage of the project.

3.4 Communication Interface

Any person having minimum of hardware configuration can access the State Agricultural Portal through Internet. The State Agricultural Portal should be optimized on any kind of browser across different operating system platform. It should be also accessible from Mobile and other communication devices supporting internet access.

3.5 Software for the State Agricultural Portal

It will be decided during the later stage of the project.

3.6 Product Functions (Best features)

- Providing one stop information as per users perspectives on various topics like Farmers, Citizens, Business entities, Government departments, Government bodies, State, Sectors
- Providing content repository for Forms, Documents, Schemes, Services, Acts, Rules, Websites, Contacts, Announcements, and search facility for each type of contents.
- Providing spot light on current topic of mass concern.
- Facility of registering into the State Agricultural Portal for personalized viewing of the Portal.
- Latest news from DD (Doordarshan), PIB (Press Information Bureau) and weather.
- Providing external links to Agriculture Dailies, Weekly, Fortnightly, Magazines and other periodicals of repute as they would help in identifying Spotlight and current important issues of people's interest.
- How do I type of Search facility for various services provided by the State and State Government and PSUs.
- Visitor summary, News letter, Your opinion, Press/ Media coverage, About the portal, Site Map, Link to Us, Add to Favourite, Suggest to a friend, Help, Terms of Use, Feedback, Contact Us, Copyright, Best Viewing , designed and Developed by like regular basic features of web portal.

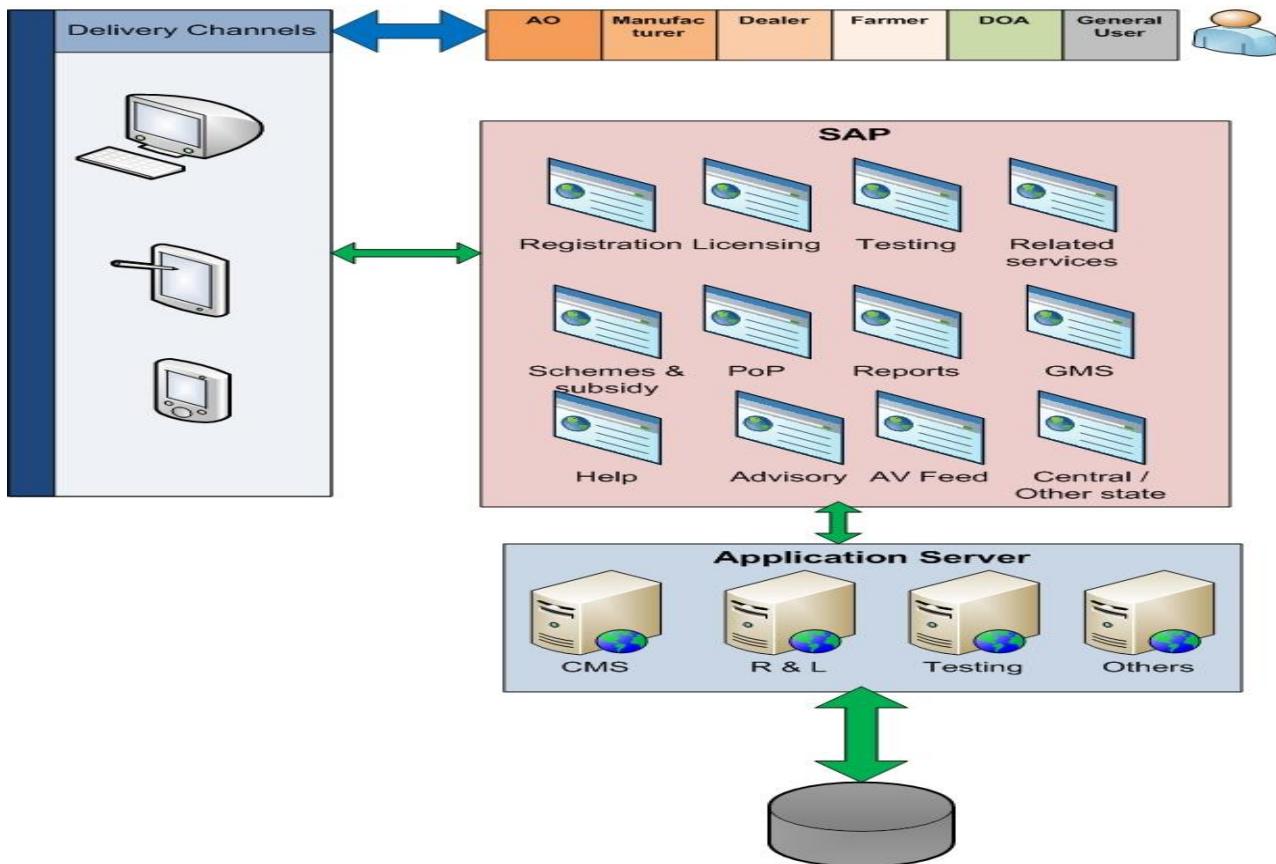
4. SPECIFIC REQUIREMENTS

This chapter has been divided into two parts. **Part-A** explains details of specific requirements of State Agricultural Portal and **Part-B** explains details of the State Agricultural Portal Content Management Systems.

PART-A

4.1 State Agricultural Portal

The State Agriculture Portal can be accessed by farmers, citizens, Agricultural Officers, Manufacturers, Dealers and officers in Department of Agriculture. It can be accessed using web browser and mobile phones as well. The system is as shown below –



The tentative structure of the State Agricultural Portal will contain the content as mentioned below.

4.1.1 State Agricultural Portal : Home Page View

The Home page view of State Agriculture View is as shown below -

Agricultural background of the state

The need to grow more food was felt during the 19th Century because of the increasing pressure of population. According to the recommendation of Famine Commission(1881), Agriculture Department was established in 1883. Work started with the aim of helping the rural community to achieve higher productivity in agriculture. Agriculture and Land Records Departments were functioning together till 1907. After getting encouraging results in an effort made during 1915-16 to stop soil loss, Mr Kitting, the then Agriculture Director started soil conservation work from 1922.

Agriculture Department took up various land development activities with the enactment in 1942 and subsequent enforcement of Land Development Act in 1943. For the first time in 1943, the then Government prepared a comprehensive Agriculture Policy considering the problems in agriculture and allied sectors. According to this policy, emphasis was given on use of water as irrigation for agricultural crops.

The post independence period from 1950 to 1965 is recognized as pre Green Revolution period. During this period several schemes were launched to boost growth of agriculture sector. Production of quality seeds through Taluka Seed Farms started during 1957. Emphasis was given on increase in irrigated area along with cultivated area during this period. A special campaign was launched in 1961-62 to encourage use of chemical fertilizers.

Development of hybrid varieties of different crops since 1965-66 laid down the foundation of Green Revolution. Five year plans following this period specially emphasized development of agriculture. Nala bunding work was taken up along with land development work by the department since 1974 which led to increase in well and ground water level. Introduction of intensive agriculture, comprising of large scale use of improved seed, fertilizers, pesticides and available water helped increase in agriculture production. Lateron, considering the need for providing guidance to the farmers for proper and judicious use of these inputs, Training and Visit Scheme was launched in 1981-82. Valuable contribution of this scheme through effective implementation of programs like Crop Demonstrations, Field Visits, Corner meetings, Workshops, Fairs, Exhibitions etc. aimed at transfer of technology from Agriculture Universities to farmers fields was evident from the increased agricultural production.

Though we have become self sufficient in food grain production inspite of the tremendous increase in population, self sufficiency in agriculture is not the only aim of the state but assurance of more and more net income to the farmers through the efficient and sustainable use of available resources is more important. To achieve this, commercial agriculture should be practiced. Different schemes are implemented to increase agricultural production, export promotion and to encourage the agro processing industry with a view to take advantage of liberalized economy and Global trade. Thus, agriculture department is firmly stepping towards economic progress along with self sufficiency through agriculture and to achieve important position in the global agriculture produce market. The innovative horticulture plantation scheme under employment guarantee scheme implemented by the state is a part of this policy.

Agriculture department considers farmer as the focal point and the whole department is organized in such a fashion that a single mechanism is working to facilitate the farmer for adoption of advanced technology and sustainable use of available resources. Every agriculture assistant working at village level has a jurisdiction of three to four villages with number of farmers limited to 800 to 900 which facilitates more interaction for easier transfer of technology.

Agriculture Assistant at village level undertakes soil conservation work, horticulture plantation and various extension schemes. He is supervised by Circle Agriculture Officer at circle level. Administrative control, liaison with other departments, monitoring and training programs etc. are facilitated by Taluka Agriculture Officer at taluka level, Sub Divisional Agriculture Officer at sub division level, District Superintending Agriculture Officer at district level and Divisional Joint Director at division level. In addition, Agriculture Officer at Panchayat Samiti level, working under Agriculture Development Officer, Zilla Parishad at district level also implement various agro-inputs related schemes.

All the schemes implemented in the field are supervised technically and administratively by respective directorates of Soil Conservation, Horticulture, Extension and Training, Inputs and Quality Control, Statistics, Monitoring and Evaluation and Planning and Budget at state level in the Commissionerate of Agriculture. Also separate sections are there for the Establishment and Accounts related matters.

SAMPLE Layout
(This layout is not the exact form of visual representation of the SAP. It may be changed during the course of design)

The following sections depicts the sample pages for few services of the 12 service clusters. The home pages for remaining services will be designed in similar manner. These will be covered in detail in the SRS reports of the respective services.

4.1.2 State Agricultural Portal : Seeds Page View

The Home page view of State Agriculture View is as shown below -

SAMPLE Layout

(This layout is not the exact form of visual representation of the SAP. It may be changed during the course of design)

4.1.3 State Agricultural Portal : Fertilizers Page View

The Home page view of State Agriculture View is as shown below -

The screenshot shows the homepage of the Maharashtra State Agricultural Portal. At the top, there are links for Marathi and English, and a navigation bar with Contact Us, Add to Favorites, Tell A Friend, Announcements, About This Portal, Terms of Use, Visitors Summary, News Letter, Press Media Coverage, Accessibility Options, Sitemap, RSS, Select Theme, and Select Font. The main header features the NeGP logo, the text "Department of Agriculture & cooperation", "Ministry of Agriculture Government of India", and the state map of Maharashtra. Below the header is a navigation bar with links for Crops (Rice, Wheat, Cashewnuts, Cotton, Jute, Banana, Grapes, Orange, Pine Apple), Seeds, Pesticides, Fertilisers, Soil Health, Irrigation, Farm Machinery, Crops, Livestock, Fisheries, Good Agricultural Practices (GAPs), Prices and Arrivals, e-Market, Procurement Points, Marketing Infrastructure, Exports and Imports, Weather and Agro-met advisory, Drought Relief and Management, Schemes and Programs, and Monitoring Implementation. A search box is also present. On the left, a sidebar lists Administration, Grievance Management, Expert Advisory, Farmers Corner, Knowledge Management, and Training. The central content area is titled "Fertilisers" and includes links for General Information, Availability, Acts/ Rules, Fertilizer Testing Laboratories, Complex fertilizer MRPs w.e.f.2008-09, Fertilizer Prices January 2011, New Manufacturer Fertilizer License, Renewal of Manufacturer Fertilizer License, New Dealer Fertilizer License, and Renewal of Dealer Fertilizer License. At the bottom, there are links for Awards, Projects and Plans, Statistics, Tenders, Publication, Facilities, Technologies, Events, Directories, Success Story, Maps, Presentation, Important Links, Downloadable Forms, FAQs, Right to Information, Help, What's New, and Feedback. A footer note states that the site is designed by "National Informatics Centre, Ministry of Communications and Information Technology, Government of India" and includes the NIC logo.

SAMPLE Layout

(This layout is not the exact form of visual representation of the SAP. It may be changed during the course of design)

4.1.4 State Agricultural Portal : Pesticides Page View

The Home page view of State Agriculture View is as shown below -

The screenshot displays the homepage of the Maharashtra State Agricultural Portal. At the top, there are language options (Marathi | English), a navigation bar with links like Contact Us, Add to Favorites, Tell A Friend, Announcements, About This Portal, Terms of Use, Visitors Summary, News Letter, Press Media Coverage, Accessibility Options, Sitemap, RSS, Select Theme, and Select Font (A A A). The header features the NeGP logo, the text "Department of Agriculture & cooperation Ministry of Agriculture Government of India", and the word "Maharashtra" with a map icon.

The main content area includes a "CUSTOMIZE | MY AGRI" section with links to various agricultural topics like Crops, Seeds, Farm Machinery, Good Agricultural Practices (GAPs), Exports and Imports, Pesticides, Crops, Prices and Arrivals, Weather and Agro-met advisory, Fertilisers, Livestock, e-Market, Drought Relief and Management, Soil Health, Fisheries, Procurement Points, Schemes and Programs, Irrigation, Training & Extension, Marketing Infrastructure, and Monitoring Implementation. Below this is a breadcrumb trail (Home > Pesticides) and a search box.

The central column is titled "Pesticides" and contains a list of links under "General Information", "Availability", "Acts/ Rules", "Pesticide Testing Laboratories", "New Manufacturer Pesticide License", "Renewal of Manufacturer Pesticide License", "New Dealer Pesticide License", "Renewal of Dealer Pesticide License", "Inclusion of new varieties in Pesticide License", "Check list for Addition or deletion of Storage or New Sale point", "Pesticide Marketing License", and "Renewal of Pesticide Marketing License".

At the bottom, there are links for Awards, Projects and Plans, Statistics, Tenders, Publication, Facilities, Technologies, Events, Directories, Success Story, Maps, Presentation, Important Links, Downloadable Forms, FAQs, Right to Information, Help, What's New, and Feedback. A note about demo text is present, followed by a footer stating the site is designed by NIC (National Informatics Centre).

SAMPLE Layout

(This layout is not the exact form of visual representation of the SAP. It may be changed during the course of design)

4.1.5 State Agricultural Portal : Soil Health Page View

The Home page view of State Agriculture View is as shown below -

The screenshot shows the homepage of the Maharashtra State Agricultural Portal. At the top, there are language options (Marathi | English), a navigation bar with links like Contact Us, Add to Favorites, Announcements, About This Portal, Terms of Use, Visitors Summary, News Letter, Press Media Coverage, Accessibility Options, Sitemap, RSS, Select Theme (with color swatches), and Select Font (with font size and style options). The header features the NeGP Agriculture logo, the Department of Agriculture & Cooperation logo, and the Ministry of Agriculture, Government of India logo. A large banner on the right side displays a tree and the word "Maharashtra" next to a map of the state.

The main content area has sections for CUSTOMIZE | MY AGRI and WELCOME "USER NAME" | SIGN OUT. Below this, there's a grid of icons representing various agricultural services: Crops (Rice, Wheat, Cashewnuts, Cotton, Jute, Banana, Grapes, Orange, Pine Apple, more...), Seeds, Pesticides, Fertilisers, Soil Health, Irrigation, Farm Machinery, Crops, Livestock, Fisheries, Good Agricultural Practices (GAPs), Prices and Arrivals, e-Market, Procurement Points, Exports and Imports, Weather and Agro-met advisory, Drought Relief and Management, Schemes and Programs, Monitoring Implementation.

The "Soil Health" section is highlighted. It features a small icon of a plant, the title "Soil Health", and a list of links: Classification, Erosion, Saline Soil Reclamations, Conservation Practices, Soil Testing Application, Soil Testing Laboratories, Diseases and Remedial Measures, Soil Survey Maps, and Fertility Index.

At the bottom, there are links for Awards, Projects and Plans, Statistics, Tenders, Publication, Facilities, Technologies, Events, Directories, Success Story, Maps, Presentation, Important Links, Downloadable Forms, FAQs, Right to Information, Help, What's New, and Feedback. The footer includes the NeGP Agriculture logo, a message about demo text, and a note that the site is designed by National Informatics Centre (NIC).

SAMPLE Layout

(This layout is not the exact form of visual representation of the SAP. It may be changed during the course of design)

4.1.6 State Agricultural Portal : Crops Page View

The Home page view of State Agriculture View is as shown below -

The screenshot shows the homepage of the NeGP Agriculture Mission Mode Project. At the top, there are language options (Marathi | English), a navigation bar with links like Contact Us, Add to Favorites, Tell A Friend, Announcements, About This Portal, Terms of Use, Visitors Summary, News Letter, Press Media Coverage, Accessibility Options, Sitemap, RSS, Select Theme, and Select Font. The header features the NeGP logo, the text "Department of Agriculture & cooperation Ministry of Agriculture Government of India", and a map of Maharashtra.

The main content area has sections for "CROPS" and "MORE...". Below these are various agricultural icons and links: Seeds, Pesticides, Fertilisers, Soil Health, Irrigation, Farm Machinery, Crops, Livestock, Fisheries, Training & Extension, Good Agricultural Practices (GAPs), Prices and Arrivals, e-Market, Procurement Points, Marketing Infrastructure, Exports and Imports, Weather and Agro-met advisory, Drought Relief and Management, Schemes and Programs, and Monitoring Implementation.

The left sidebar includes links for Administration, Grievance Management, Expert Advisory, Farmers Corner, Knowledge Management, and Training. The right sidebar has a search box and a "GO" button. The bottom footer contains links for Awards, Projects and Plans, Statistics, Tenders, Publication, Facilities, Technologies, Events, Directories, Success Story, Maps, Presentation, Important Links, Downloadable Forms, FAQs, Right to Information, Help, What's New, and Feedback. It also features the NeGP logo and the text "The site is designed by 'National Informatics Centre, Ministry of Communications and Information Technology, Government of India' NIC".

SAMPLE Layout

(This layout is not the exact form of visual representation of the SAP. It may be changed during the course of design)

4.1.7 State Agricultural Portal : Weather and Agro-met Advisory Page View

The Home page view of State Agriculture View is as shown below -

SAMPLE Layout

(This layout is not the exact form of visual representation of the SAP. It may be changed during the course of design)

4.2 State Agricultural Portal Sections View

Section wise detailed view of each section on the home page of the State Agricultural Portal is as illustrated in Sec 4.1. The various sections are –

- Administration
- Seeds
 - General Information
 - Availability
 - Acts/Rules
 - Seed Testing Laboratories
 - New Seed License

- Renewal of Seed License
- Inclusion of new Varieties in Seed License
- Check list for addition or deletion of Storage or new sale point
- Cotton Seed New License
- Fertilizer
 - General Information
 - Availability
 - Acts/Rules
 - Fertilizer Testing Laboratories
 - Complex Fertilizer MRPs w.e.f. 2008-09
 - Fertilizer Prices January 2011
 - New Manufacturer Fertilizer License
 - Renewal of Manufacturer Fertilizer License
 - New Dealer Fertilizer License
 - Renewal of Dealer Fertilizer License
- Pesticides
 - General Information
 - Availability
 - Acts/Rules
 - Pesticides Testing Laboratories
 - New Manufacturer Pesticide License
 - Renewal of Manufacturer Pesticide License
 - New Dealer Pesticide License
 - Renewal of Dealer Pesticide License
 - Inclusion of new varieties in Pesticide License
 - Check list for addition or deletion of Storage or New Sale Point
 - Pesticide Marketing License
 - Renewal of Pesticide Marketing License
- Soil Health
 - Classification
 - Erosion
 - Saline Soil Reclamations
 - Conservation Practices
 - Soil Testing Application
 - Soil Testing Laboratories
 - Diseases and Remedial Measures
 - Soil Survey Maps
 - Fertility Index
- Crops
 - Classification
 - Varieties
 - Package of Practices
 - Good Agricultural Practices
 - Crop Diary
- Farmers Corner
- Grievance Redressal
- Expert Advisory
- Farm Machinery
- Weather and Agro-met advisory

- Crop Weather
- Flash season specific Information
- Import and Export
- Irrigation
- Drought Relief and Management
- Good Agricultural Practices
- Fisheries
- Livestock
- Schemes and Programmes
- Awards
- Projects and Plans
- Statistics
- Tenders
- Publication
- Marketing/Export
- Facilities
- Technologies
- Events
- Directories
- Success Story
- Maps
- Presentation
- Important Links
- Downloadable Forms
- FAQs
- Right to Information
- Help
- What's New
- Feedback
- Search
- Contact Us
- Add to Favorites
- Tell A Friend
- Announcements
- About This Portal
- Terms of Use
- Visitors Summary
- News Letter
- Press Media Coverage
- Accessibility Options
- Sitemap
- RSS
- Select Theme
- Select Font

4.3 State Agricultural Portal Functions

The following sections also includes the functional requirements for few services of the 12 service clusters apart from specific functional requirement of the State Agricultural Portal. The functional requirement for remaining services will be given in similar manner. These will be covered in detail in the SRS reports of the respective services.

4.3.1 Administration

Scope: This activity enables the actor to access the Administration section of State Agriculture Portal

Use Case ID:	UC_SAP_001
Use Case Name:	Link to Administration

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Administration section of the SAP	
Trigger:	<ul style="list-style-type: none"> ■ Actor selects Administration on home page of SAP 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Administration Section of the SAP opens	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the “Administration” link on State Agriculture Portal home page 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to “Administration” section
Alternative Flow:	<ul style="list-style-type: none"> ■ 	<ul style="list-style-type: none"> ■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ■ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ■ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ■ 	

4.3.2 Seeds Section

Scope: This activity enables the actor to access the Seed section of State Agriculture Portal

Use Case ID:	UC_SAP_002
Use Case Name:	Link to Seed application

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Seed section	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Seeds Section 	
Pre conditions:	Actor should have opened the State Agriculture Portal and accessed the Department of Agriculture application	
Post conditions:	Seed Section application opens	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the "Seed Section" link on home page of Department of Agriculture 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to "Seed Section" application
Alternative Flow:	<ul style="list-style-type: none"> ▪ Actor clicks on the "Fertilizer Section" link on home page of Department of Agriculture ▪ Actor clicks on the "Pesticide Section" link on home page of Department of Agriculture ▪ Actor clicks on the "Soil Health Section" link on home page of Department of Agriculture 	<ul style="list-style-type: none"> ▪ Actor is redirected to "Fertilizer Section" application ▪ Actor is redirected to "Pesticides Section" application ▪ Actor is redirected to "Soil Health Section" application
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.2.1 Seeds General Information

Scope: This activity enables the actor to view the list of General Information for seeds

Use Case ID:	UC_SAP_003
Use Case Name:	Seeds General Information

Actors:	Farmer / Citizen	
Stake Holder:	Citizens / farmers	
Description:	This service aims at providing the actor with General Information for seeds	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on Seeds Section → General Information 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active ▪ General information for seeds will be present in the system. 	
Post conditions:	Seeds general information to be displayed	
Input:	<ul style="list-style-type: none"> ▪ 	
Output:		
Normal Flow:	Actor Actions Actor clicks on "General Information" link in the Seeds Section of the SAP	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the General Information page of the Seeds section
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ 	System Responses <ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.2.2 Seeds Availability

Scope: This activity enables the actor to view the availability status for seeds

Use Case ID:	UC_SAP_004
Use Case Name:	Seeds Availability

Actors:	Farmer / Citizen	
Stake Holder:	Citizens / farmers	
Description:	This service aims at providing the actor with availability of seeds	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on "Seeds Section → Availability" 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active 	
Post conditions:	Availability for seeds to be displayed	

Input:	<input type="checkbox"/>	
Output:		
Normal Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Actor clicks on “Availability” in the Seeds Section of the SAP 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ List with following fields is displayed <ul style="list-style-type: none"> ○ Dealer Name ○ Crop ○ Product category ○ Price / quantity ○ Stock available ○ District ○ Taluka ○ Block
Alternative Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Filter options to be provided <ul style="list-style-type: none"> ● District ● Taluka ● Block ● Product category 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ List with same fields is displayed but with filters as selected
Exceptional Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<input type="checkbox"/>	
Special Requirements:		
Assumptions:	<input type="checkbox"/>	
Dependency:		
Notes and Issues:	<input type="checkbox"/>	

4.3.2.3 Seeds Acts/Rules

Scope: This activity enables the actor to view the Acts/Rules for Seeds

Use Case ID:	UC_SAP_005
Use Case Name:	Seeds Acts/Rules

Actors:	Farmer / Citizen
Stake Holder:	Citizens / farmers
Description:	This service aims at providing the actor with Acts/Rules for Seeds
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on “Seeds Section → Acts/Rules”
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active
Post conditions:	Seeds Acts/Rules page to be displayed to actor
Input:	<input type="checkbox"/>

Output:		
Normal Flow:	Actor Actions Actor accesses the portal and clicks on “Acts/Rules” link in the seed section of SAP	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the Acts/Rules page of the seed section
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ 	System Responses <ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.2.4 Seed Testing Laboratories

Scope: *This activity enables the actor to view list of Seed Testing Laboratories*

Use Case ID:	UC_SAP_006
Use Case Name:	Seed Testing Laboratories

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service enables the actor to view the list of Seed Testing Laboratories	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on “Seeds Section → Seed Testing Laboratories” 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active 	
Post conditions:	List of Seed Testing Laboratories to be displayed	
Input:	<ul style="list-style-type: none"> ▪ 	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on “Seed Testing Laboratories” link in the seeds section of the SAP 	System Responses <ul style="list-style-type: none"> ▪ List of Seed Testing Laboratories is displayed <ul style="list-style-type: none"> • Lab Name • Address • Contact Person • Contact Number
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ 	System Responses <ul style="list-style-type: none"> ▪

Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	▪	
Special Requirements:		
Assumptions:	▪	
Dependency:		
Notes and Issues:	▪	

4.3.2.5 New Seed License

Scope: This activity enables the actor to apply as dealer for new seed license

Use Case ID:	UC_SAP_007
Use Case Name:	New Seed License

Actors:	Dealer	
Stake Holder:	Dealer	
Description:	This service enables the actor to apply for New Seed License	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on "Seeds Section → New Seed License" 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have user id created, relevant roles created and actor has access to perform the operations ▪ Actor should have portal window active 	
Post conditions:	Redirected to New Seed License page	
Input:	▪	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on "New Seed License" in the seeds section of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the New Seed License Functionality (service 1 SRS)
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ 	System Responses <ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ Standard internet message for URL not found ▪ Standard internet message for connection not found
Includes: other use case id	Use Case for New Seed Licenses in Service 1 SRS	
UI: required/not required	Required	

Priority: Low/medium/high	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	■
Special Requirements:	
Assumptions:	■
Dependency:	
Notes and Issues:	■

4.3.2.6 Renewal of Seed License

Scope: *This activity enables the actor to apply as dealer for renewal of seed license*

Use Case ID:	UC_SAP_008
Use Case Name:	Renewal of Seed License

Actors:	Dealer	
Stake Holder:	Dealer	
Description:	This service enables the actor to apply for Renewal of Seed License	
Trigger:	<ul style="list-style-type: none"> ■ Actor clicks on “Seeds Section → Renewal of Seed License” 	
Pre conditions:	<ul style="list-style-type: none"> ■ Actor should have user id created, relevant roles created and actor has access to perform the operations ■ Actor should have portal window active 	
Post conditions:	Redirected to Renewal of Seed License page	
Input:	■	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on “Renewal of Seed License” in the seeds section of SAP 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to the Renewal of Seed License Functionality (service 1 SRS)
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ■ 	System Responses <ul style="list-style-type: none"> ■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ Standard internet message for URL not found ■ Standard internet message for connection not found
Includes: other use case id	Use Case for Renewal of Seed Licenses in Service 1 SRS	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.2.7 Inclusion of New Varieties In Seed License

Scope: This activity enables the actor to apply as dealer for inclusion of new varieties in seed license

Use Case ID:	UC_SAP_009
Use Case Name:	Inclusion of New Varieties in Seed License

Actors:	Dealer	
Stake Holder:	Dealer	
Description:	This service enables the actor to apply for Inclusion of New Varieties in Seed License	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on “Seeds Section → Inclusion of New Varieties in Seed License” 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have user id created, relevant roles created and actor has access to perform the operations ▪ Actor should have portal window active 	
Post conditions:	Redirected to Inclusion of New Varieties in Seed License page	
Input:	<ul style="list-style-type: none"> ▪ 	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on “Inclusion of New Varieties in Seed License” in the seeds section of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the Inclusion of New Varieties in Seed License Functionality (service 1 SRS)
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ 	System Responses <ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ Standard internet message for URL not found ▪ Standard internet message for connection not found
Includes: other use case id	Use Case for Inclusion of New Varieties in Seed Licenses in Service 1 SRS	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.2.8 CheckList for addition or deletion of storage or sale point under Seed License

Scope: This activity enables the actor to see the Check List for addition or deletion of storage or sale point under the Seed License

Use Case ID:	UC_SAP_010
Use Case Name:	Check List for addition or deletion of storage or sale point under Seed License

Actors:	Dealer
Stake Holder:	Dealer

Description:	This service enables the actor to see the Check List for addition or deletion of storage or sale point under the Seed License	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on “Seeds Section → Check List for addition or deletion of storage or sale point” 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have user id created, relevant roles created and actor has access to perform the operations ▪ Actor should have portal window active 	
Post conditions:	Redirected to Inclusion of New Varieties in Seed License page	
Input:	<ul style="list-style-type: none"> ▪ 	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on “Check List for addition or deletion of storage or sale point” in the seeds section of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the Check List for addition or deletion of storage or sale point page of the seeds section
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ 	System Responses <ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ Standard internet message for URL not found ▪ Standard internet message for connection not found
Includes: other use case id	Use Case for Check List for addition or deletion of storage or sale point under Seed Licenses in Service 1 SRS	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.2.9 Cotton seed new License

Scope: This activity enables the actor to apply as dealer for Cotton Seed New license

Use Case ID:	UC_SAP_011
Use Case Name:	Cotton Seed New License

Actors:	Dealer
Stake Holder:	Dealer
Description:	This service enables the actor to apply for Cotton Seed New License
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on “Seeds Section → Cotton Seed New License”
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have user id created, relevant roles created and actor has access to perform the operations ▪ Actor should have portal window active
Post conditions:	Redirected to Cotton Seed New License page
Input:	<ul style="list-style-type: none"> ▪
Output:	

Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on “Cotton Seed New License” in the seeds section of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the Cotton Seed New License page of the seeds section
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ 	System Responses <ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ Standard internet message for URL not found ▪ Standard internet message for connection not found
Includes: other use case id	Use Case for New Seed Licenses in Service 1 SRS	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.3 Fertilizer Section

Scope: This activity enables the actor to access the Fertilizer section of State Agriculture Portal

Use Case ID:	UC_SAP_012
Use Case Name:	Link to Fertilizer application

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Fertilizer application	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Fertilizer Section 	
Pre conditions:	Actor should have opened the State Agriculture Portal and accessed the Department of Agriculture application	
Post conditions:	Fertilizer Section application opens	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Fertilizer Section” link on home page of Department of Agriculture 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Fertilizer Section” application
Alternative Flow:	<ul style="list-style-type: none"> ▪ Actor clicks on the “Seed Section” link on home page of Department of Agriculture ▪ Actor clicks on the “Pesticide Section” link on 	<ul style="list-style-type: none"> ▪ Actor is redirected to “Seed Section” application ▪ Actor is redirected to “Pesticides Section”

	<p>home page of Department of Agriculture</p> <ul style="list-style-type: none"> ▪ Actor clicks on the "Soil Health Section" link on home page of Department of Agriculture 	<p>application</p> <ul style="list-style-type: none"> ▪ Actor is redirected to "Soil Health Section" application
Exceptional Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	▪	
Special Requirements:		
Assumptions:	▪	
Dependency:		
Notes and Issues:	▪	

4.3.3.1 Fertilizers General Information

Scope: This activity enables the actor to view the list of General Information for fertilizers

Use Case ID:	UC_SAP_013
Use Case Name:	Fertilizers General Information

Actors:	Farmer / Citizen	
Stake Holder:	Citizens / farmers	
Description:	This service aims at providing the actor with General Information for Fertilizers	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on Fertilizers Section → General Information 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active ▪ General information for Fertilizers will be present in the system. 	
Post conditions:	Fertilizers general information to be displayed	
Input:	▪	
Output:		
Normal Flow:	<p>Actor Actions</p> <p>Actor clicks on "General Information" link in the Fertilizers section of the SAP</p>	<p>System Responses</p> <ul style="list-style-type: none"> ▪ Actor is redirected to the General Information page of the Fertilizers section
Alternative Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ 	<p>System Responses</p> <ul style="list-style-type: none"> ▪
Exceptional Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ Standard internet message for URL not found ▪ Standard internet message for connection not found

	temporarily disabled	
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.3.2 Fertilizers Availability

Scope: This activity enables the actor to view the availability status for fertilizers

Use Case ID:	UC_SAP_014
Use Case Name:	Fertilizers Availability

Actors:	Farmer / Citizen	
Stake Holder:	Citizens / farmers	
Description:	This service aims at providing the actor with availability of fertilizers	
Trigger:	■ Actor clicks on “Fertilizers Section → Availability”	
Pre conditions:	■ Actor should have portal window active	
Post conditions:	Availability for Fertilizers to be displayed	
Input:	■	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on “Availability” in the Fertilizers section of the SAP 	System Responses <ul style="list-style-type: none"> ■ List with following fields is displayed <ul style="list-style-type: none"> ○ Dealer Name ○ Crops ○ Product category ○ Brand names ○ Price / quantity ○ Available Stock ○ District ○ Taluka ○ Block
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ■ Filter options to be provided <ul style="list-style-type: none"> ● District ● Taluka ● Block ● Product category ● Brand name 	System Responses <ul style="list-style-type: none"> ■ List with same fields is displayed but with filters as selected

Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	▪	
Special Requirements:		
Assumptions:	▪	
Dependency:		
Notes and Issues:	▪	

4.3.3.3 Fertilizers Acts/Rules

Scope: This activity enables the actor to view the Acts/Rules for fertilizers

Use Case ID:	UC_SAP_015
Use Case Name:	Fertilizers Acts/Rules

Actors:	Farmer / Citizen	
Stake Holder:	Citizens / farmers	
Description:	This service aims at providing the actor with Acts/Rules for Fertilizers	
Trigger:	▪ Actor clicks on “Fertilizers Section → Acts/Rules”	
Pre conditions:	▪ Actor should have portal window active	
Post conditions:	Fertilizers Acts/Rules page to be displayed to actor	
Input:	▪	
Output:		
Normal Flow:	Actor Actions Actor accesses the portal and clicks on “Acts/Rules” link in the Fertilizers section of SAP	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the Acts/Rules page of the Fertilizers section
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ 	System Responses <ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	

Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	■
Special Requirements:	
Assumptions:	■
Dependency:	
Notes and Issues:	■

4.3.3.4 Fertilizer Testing Laboratories

Scope: This activity enables the actor to view list of Fertilizer Testing Laboratories

Use Case ID:	UC_SAP_016
Use Case Name:	List of Fertilizer Testing Laboratories

Actors:	Farmer / Dealer	
Stake Holder:	Farmer / Dealer	
Description:	This service enables the actor to see the list of Fertilizer Testing Laboratories	
Trigger:	■ Actor clicks on “Fertilizer Section → Fertilizer Testing Laboratories”	
Pre conditions:	■ Actor should have portal window active	
Post conditions:	■ List of Fertilizer Testing Laboratories to be displayed	
Input:	■	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on “Fertilizer Testing Laboratories” in the Fertilizers section of the SAP 	System Responses <ul style="list-style-type: none"> ■ List of Fertilizer Testing Laboratories is displayed <ul style="list-style-type: none"> ● Lab Name ● Address ● Contact Person ● Contact Number
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ■ 	System Responses <ul style="list-style-type: none"> ■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.3.5 Complex Fertilizers Prices

Scope: This activity enables the actor to view the prices of complex fertilizers

Use Case ID:	UC_SAP_017
Use Case Name:	Complex Fertilizers Prices

Actors:	Farmer / Citizen	
Stake Holder:	Citizens / farmers	
Description:	This service aims at providing the actor with prices of complex fertilizers	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on “Fertilizers Section → Complex Fertilizers MRPs w.e.f 2008-09” 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active 	
Post conditions:	Prices for Complex Fertilizers to be displayed	
Input:	<ul style="list-style-type: none"> ▪ 	
Output:		
Normal Flow:	Actor Actions Actor clicks on “Complex Fertilizers MRPs w.e.f 2008-09” in the Fertilizers section of the SAP	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the “Complex Fertilizers MRPs w.e.f 2008-09” page of the Fertilizers section
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ 	System Responses <ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.3.6 Fertilizers Prices

Scope: This activity enables the actor to view the prices of fertilizers

Use Case ID:	UC_SAP_018
Use Case Name:	Fertilizers Prices

Actors:	Farmer / Citizen
Stake Holder:	Citizens / farmers
Description:	This service aims at providing the actor with prices of fertilizers
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on “Fertilizers Section → Fertilizers Prices January 2011”
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active

Post conditions:	Prices for Fertilizers to be displayed	
Input:	<input type="checkbox"/>	
Output:		
Normal Flow:	Actor Actions Actor clicks on "Fertilizers Prices January 2011" in the Fertilizers section of the SAP	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to the "Fertilizers Prices January 2011" page of the Fertilizers section
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ■ 	System Responses <ul style="list-style-type: none"> ■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<input type="checkbox"/>	
Special Requirements:		
Assumptions:	<input type="checkbox"/>	
Dependency:		
Notes and Issues:	<input type="checkbox"/>	

4.3.3.7 New Manufacturer Fertilizer License

Scope: This activity enables the actor to apply for fertilizer manufacturing license

Use Case ID:	UC_SAP_019
Use Case Name:	New Manufacturer Fertilizer License

Actors:	Manufacturer	
Stake Holder:	Manufacturer	
Description:	This service enables the actor to apply for manufacturing license	
Trigger:	<input type="checkbox"/> Actor clicks on "Fertilizer Section → New Manufacturer Fertilizer License"	
Pre conditions:	<input type="checkbox"/> Actor should have portal window active	
Post conditions:	Redirected to New Manufacturer Fertilizer License functionality	
Input:	<input type="checkbox"/>	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on "New Manufacturer Fertilizer License" 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to the New Manufacturer Fertilizer License Functionality (service 1 SRS)
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ■ 	System Responses <ul style="list-style-type: none"> ■

Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ Standard internet message for URL not found ▪ Standard internet message for connection not found
Includes: other use case id	Use Case for New Manufacturer Fertilizer License in Service 1 SRS	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none">▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none">▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none">▪ 	

4.3.3.8 Renewal of Manufacturer Fertilizer License

Scope: *This activity enables the actor to apply for renewal of fertilizer manufacturing license*

Use Case ID:	UC_SAP_020
Use Case Name:	Renewal of Manufacturer Fertilizer License

Actors:	Manufacturer	
Stake Holder:	Manufacturer	
Description:	This service enables the actor to apply for manufacturing license	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on “Fertilizer Section → Renewal of Manufacturer Fertilizer License” 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active 	
Post conditions:	Redirected to Renewal of Manufacturer Fertilizer License functionality	
Input:	<ul style="list-style-type: none">▪ 	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on “Renewal of Manufacturer Fertilizer License” 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the Renewal of Manufacturer Fertilizer License Functionality (service 1 SRS)
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ 	System Responses <ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ Standard internet message for URL not found ▪ Standard internet message for connection not found
Includes: other use case id	Use Case for Renewal of Manufacturer Fertilizer License in Service 1 SRS	
UI: required/not required	Required	

Priority: Low/medium/high	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	■
Special Requirements:	
Assumptions:	■
Dependency:	
Notes and Issues:	■

4.3.3.9 New Dealer Fertilizer License

Scope: This activity enables the actor to apply for fertilizer selling license for dealer

Use Case ID:	UC_SAP_021
Use Case Name:	New Dealer Fertilizer License

Actors:	Dealer	
Stake Holder:	Dealer	
Description:	This service enables the actor to apply for Dealer license for selling fertilizers	
Trigger:	■ Actor clicks on “Fertilizer Section → New Dealer Fertilizer License”	
Pre conditions:	■ Actor should have portal window active	
Post conditions:	Redirected to New Dealer Fertilizer License functionality	
Input:	■	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on “New Dealer Fertilizer License” 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to the New Dealer Fertilizer License Functionality (service 1 SRS)
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ■ 	System Responses <ul style="list-style-type: none"> ■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ Standard internet message for URL not found ■ Standard internet message for connection not found
Includes: other use case id	Use Case for New Manufacturer Fertilizer License in Service 1 SRS	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.3.10 Renewal of Dealer Fertilizer License

Scope: This activity enables the actor to apply for renewal of fertilizer selling license for dealer

Use Case ID:	UC_SAP_022
Use Case Name:	Renewal of Dealer Fertilizer License

Actors:	Dealer	
Stake Holder:	Dealer	
Description:	This service enables the actor to apply for renewal of dealer license for selling fertilizers	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on “Fertilizer Section → Renewal of Dealer Fertilizer License” 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active 	
Post conditions:	Redirected to Renewal of Dealer Fertilizer License functionality	
Input:	<ul style="list-style-type: none"> ▪ 	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on “Renewal of Dealer Fertilizer License” 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the Renewal of Dealer Fertilizer License Functionality (service 1 SRS)
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ 	System Responses <ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ Standard internet message for URL not found ▪ Standard internet message for connection not found
Includes: other use case id	Use Case for Renewal of Dealer Fertilizer License in Service 1 SRS	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.4 Pesticides Section

Scope: This activity enables the actor to access the Pesticides section of State Agriculture Portal

Use Case ID:	UC_SAP_023
Use Case Name:	Link to Pesticides application

Actors:	Farmer / Citizen
Stake Holder:	Farmer / Citizen

Description:	This service aims at taking the actor to the Pesticides application	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Pesticides Section 	
Pre conditions:	Actor should have opened the State Agriculture Portal and accessed the Department of Agriculture application	
Post conditions:	Pesticides Section application opens	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Pesticides Section” link on home page of Department of Agriculture 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Pesticides Section” application
Alternative Flow:	<ul style="list-style-type: none"> ▪ Actor clicks on the “Seed Section” link on home page of Department of Agriculture ▪ Actor clicks on the “Fertilizer Section” link on home page of Department of Agriculture ▪ Actor clicks on the “Soil Health Section” link on home page of Department of Agriculture 	<ul style="list-style-type: none"> ▪ Actor is redirected to “Seed Section” application ▪ Actor is redirected to “Fertilizer Section” application ▪ Actor is redirected to “Soil Health Section” application
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.4.1 Pesticides General Information

Scope: This activity enables the actor to view the list of General Information on Pesticides

Use Case ID:	UC_SAP_024
Use Case Name:	Pesticides General Information

Actors:	Farmer / Citizen
Stake Holder:	Citizens / farmers

Description:	This service aims at providing the actor with General Information on Pesticides	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on Pesticides Section → General Information 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active ▪ General information for Pesticides will be present in the system. 	
Post conditions:	Pesticides general information to be displayed	
Input:	<ul style="list-style-type: none"> ▪ 	
Output:		
Normal Flow:	Actor Actions Actor clicks on "General Information" link in the Pesticides section of the SAP	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the General Information page of the Pesticides section
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ 	System Responses <ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.4.2 Pesticides Availability

Scope: This activity enables the actor to view the availability status of Pesticides

Use Case ID:	UC_SAP_025
Use Case Name:	Pesticides Availability

Actors:	Farmer / Citizen	
Stake Holder:	Citizens / farmers	
Description:	This service aims at providing the actor with availability of Pesticides	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on "Pesticides Section → Availability" 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active 	
Post conditions:	Availability for Pesticides to be displayed	
Input:	<ul style="list-style-type: none"> ▪ 	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on "Availability" in the Pesticides section of the SAP 	System Responses <ul style="list-style-type: none"> ▪ List with following fields is displayed <ul style="list-style-type: none"> ○ Dealer Name ○ Crops

		<ul style="list-style-type: none"> ○ Product category ○ Brand names ○ Price / quantity ○ Available Stock ○ District ○ Taluka ○ Block
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Filter options to be provided <ul style="list-style-type: none"> • District • Taluka • Block • Product category • Brand name 	System Responses <ul style="list-style-type: none"> ▪ List with same fields is displayed but with filters as selected
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<input checked="" type="checkbox"/>	
Special Requirements:		
Assumptions:	<input checked="" type="checkbox"/>	
Dependency:		
Notes and Issues:	<input checked="" type="checkbox"/>	

4.3.4.3 Pesticides Acts/Rules

Scope: This activity enables the actor to view the Acts/Rules for Pesticides

Use Case ID:	UC_SAP_026
Use Case Name:	Pesticides Acts/Rules

Actors:	Farmer / Citizen	
Stake Holder:	Citizens / farmers	
Description:	This service aims at providing the actor with Acts/Rules for Pesticides	
Trigger:	<input checked="" type="checkbox"/> Actor clicks on "Pesticides Section → Acts/Rules"	
Pre conditions:	<input checked="" type="checkbox"/> Actor should have portal window active	
Post conditions:	Pesticides Acts/Rules page to be displayed to actor	
Input:	<input checked="" type="checkbox"/>	
Output:		
Normal Flow:	Actor Actions Actor accesses the portal and clicks on "Acts/Rules" link in the	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the Acts/Rules page of the

	Pesticides section of SAP	Pesticides section
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ 	System Responses <ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.4.4 Pesticide Testing Laboratories

Scope: This activity enables the actor to view list of Pesticide Testing Laboratories

Use Case ID:	UC_SAP_027
Use Case Name:	List of Pesticides Testing Laboratories

Actors:	Farmer / Dealer	
Stake Holder:	Farmer / Dealer	
Description:	This service enables the actor to see the list of Pesticides Testing Laboratories	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on "Pesticides Section → Pesticides Testing Laboratories" 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active 	
Post conditions:	<ul style="list-style-type: none"> ▪ List of Pesticides Testing Laboratories to be displayed 	
Input:	<ul style="list-style-type: none"> ▪ 	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on "Pesticides Testing Laboratories" 	System Responses <ul style="list-style-type: none"> ▪ List of Pesticides Testing Laboratories is displayed <ul style="list-style-type: none"> • Lab Name • Address • Contact Person • Contact Number
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ 	System Responses <ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	■
Special Requirements:	
Assumptions:	■
Dependency:	
Notes and Issues:	■

4.3.4.5 New Manufacturer Pesticide License

Scope: This activity enables the actor to apply for Pesticide manufacturing license

Use Case ID:	UC_SAP_028
Use Case Name:	New Manufacturer Pesticide License

Actors:	Manufacturer	
Stake Holder:	Manufacturer	
Description:	This service enables the actor to apply for manufacturing license	
Trigger:	■ Actor clicks on “Pesticides Section → New Manufacturer Pesticide License”	
Pre conditions:	■ Actor should have portal window active	
Post conditions:	Redirected to New Manufacturer Pesticide License functionality	
Input:	■	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on “New Manufacturer Pesticide License” 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to the New Manufacturer Pesticide License Functionality (service 1 SRS)
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ■ 	System Responses <ul style="list-style-type: none"> ■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ Standard internet message for URL not found ■ Standard internet message for connection not found
Includes: other use case id	Use Case for New Manufacturer Pesticide License in Service 1 SRS	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	

Dependency:	
Notes and Issues:	■

4.3.4.6 Renewal of Manufacturer Pesticide License

Scope: *This activity enables the actor to apply for renewal of Pesticide manufacturing license*

Use Case ID:	UC_SAP_029
Use Case Name:	Renewal of Manufacturer Pesticide License

Actors:	Manufacturer	
Stake Holder:	Manufacturer	
Description:	This service enables the actor to apply for manufacturing license	
Trigger:	<ul style="list-style-type: none"> ■ Actor clicks on “Pesticides Section → Renewal of Manufacturer Pesticide License” 	
Pre conditions:	<ul style="list-style-type: none"> ■ Actor should have portal window active 	
Post conditions:	Redirected to Renewal of Manufacturer Pesticide License functionality	
Input:	<ul style="list-style-type: none"> ■ 	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on “Renewal of Manufacturer Pesticide License” 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to the Renewal of Manufacturer Pesticide License Functionality (service 1 SRS)
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ■ 	System Responses <ul style="list-style-type: none"> ■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ Standard internet message for URL not found ■ Standard internet message for connection not found
Includes: other use case id	Use Case for Renewal of Manufacturer Pesticide License in Service 1 SRS	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ■ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ■ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ■ 	

4.3.4.7 New Dealer Pesticide License

Scope: *This activity enables the actor to apply for Pesticide selling license for dealer*

Use Case ID:	UC_SAP_030
Use Case Name:	New Dealer Pesticide License

Actors:	Dealer
Stake Holder:	Dealer
Description:	This service enables the actor to apply for Dealer license for selling Pesticides

Trigger:	■ Actor clicks on “Fertilizer Section → New Dealer Pesticide License”	
Pre conditions:	■ Actor should have portal window active	
Post conditions:	Redirected to New Dealer Pesticide License functionality	
Input:	■	
Output:		
Normal Flow:	Actor Actions ■ Actor clicks on “New Dealer Pesticide License”	System Responses ■ Actor is redirected to the New Dealer Pesticide License Functionality (service 1 SRS)
Alternative Flow:	Actor Actions ■	System Responses ■
Exceptional Flow:	Actor Actions ■ Clicks link but the Service 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	Use Case for New Manufacturer Fertilizer License in Service 1 SRS	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.4.8 Renewal of Dealer Pesticide License

Scope: This activity enables the actor to apply for renewal of Pesticide selling license for dealer

Use Case ID:	UC_SAP_031
Use Case Name:	Renewal of Dealer Pesticide License

Actors:	Dealer	
Stake Holder:	Dealer	
Description:	This service enables the actor to apply for renewal of dealer license for selling Pesticides	
Trigger:	■ Actor clicks on “Pesticides Section → Renewal of Dealer Pesticide License”	
Pre conditions:	■ Actor should have portal window active	
Post conditions:	Redirected to Renewal of Dealer Pesticide License functionality	
Input:	■	
Output:		
Normal Flow:	Actor Actions ■ Actor clicks on “Renewal of Dealer Pesticide License”	System Responses ■ Actor is redirected to the Renewal of Dealer Pesticide License Functionality (service 1 SRS)

Alternative Flow:	Actor Actions ■	System Responses ■
Exceptional Flow:	Actor Actions ■ Clicks link but the Service 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	Use Case for Renewal of Dealer Pesticide License in Service 1 SRS	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.4.9 Inclusion of New Varieties In Pesticide License

Scope: This activity enables the actor to apply as dealer for inclusion of new varieties in Pesticide license

Use Case ID:	UC_SAP_032
Use Case Name:	Inclusion of New Varieties in Pesticides License

Actors:	Dealer / Manufacturer	
Stake Holder:	Dealer / Manufacturer	
Description:	This service enables the actor to apply for Inclusion of New Varieties in Pesticides License	
Trigger:	■ Actor clicks on "Pesticides Section → Inclusion of New Varieties in Pesticide License"	
Pre conditions:	■ Actor should have user id created, relevant roles created and actor has access to perform the operations ■ Actor should have portal window active	
Post conditions:	Redirected to Inclusion of New Varieties in Pesticide License page	
Input:	■	
Output:		
Normal Flow:	Actor Actions ■ Actor clicks on "Inclusion of New Varieties in Pesticide License" in the seeds section of SAP	System Responses ■ Actor is redirected to the Inclusion of New Varieties in Pesticide License Functionality (service 1 SRS)
Alternative Flow:	Actor Actions ■	System Responses ■
Exceptional Flow:	Actor Actions ■ Clicks link but the Service 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	Use Case for Inclusion of New Varieties in Pesticide Licenses in Service 1 SRS
UI: required/not required	Required
Priority: Low/medium/high	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	■
Special Requirements:	
Assumptions:	■
Dependency:	
Notes and Issues:	■

4.3.4.10 Checklist for addition or deletion of storage or sale point under Pesticide License

Scope: This activity enables the actor to see the Check List for addition or deletion of storage or sale point under the Pesticide License

Use Case ID:	UC_SAP_033
Use Case Name:	Check List for addition or deletion of storage or sale point under Pesticide License

Actors:	Dealer / Manufacturer	
Stake Holder:	Dealer / Manufacturer	
Description:	This service enables the actor to see the Check List for addition or deletion of storage or sale point under the Pesticide License	
Trigger:	<ul style="list-style-type: none"> ■ Actor clicks on “Pesticides Section → Check List for addition or deletion of storage or sale point” 	
Pre conditions:	<ul style="list-style-type: none"> ■ Actor should have user id created, relevant roles created and actor has access to perform the operations ■ Actor should have portal window active 	
Post conditions:	Redirected to Inclusion of New Varieties in Pesticide License page	
Input:	<ul style="list-style-type: none"> ■ 	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on “Check List for addition or deletion of storage or sale point” in the Pesticides section of SAP 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to the Check List for addition or deletion of storage or sale point page of the Pesticides section
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ■ 	System Responses <ul style="list-style-type: none"> ■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ Standard internet message for URL not found ■ Standard internet message for connection not found
Includes: other use case id	Use Case for Check List for addition or deletion of storage or sale point under Pesticides License in Service 1 SRS	
UI: required/not required	Required	

Priority: Low/medium/high	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	■
Special Requirements:	
Assumptions:	■
Dependency:	
Notes and Issues:	■

4.3.4.11 Pesticide Marketing License

Scope: This activity enables the actor to apply for Pesticide marketing license

Use Case ID:	UC_SAP_034
Use Case Name:	Pesticide Marketing License

Actors:	Dealer / Manufacturer	
Stake Holder:	Dealer / Manufacturer	
Description:	This service enables the actor to apply for license for marketing Pesticides	
Trigger:	■ Actor clicks on “Pesticides Section → Pesticide Marketing License”	
Pre conditions:	■ Actor should have portal window active	
Post conditions:	Redirected to Pesticide Marketing License functionality	
Input:	■	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on “Pesticide Marketing License” 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to the Pesticide Marketing License Functionality (service 1 SRS)
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ■ 	System Responses <ul style="list-style-type: none"> ■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ Standard internet message for URL not found ■ Standard internet message for connection not found
Includes: other use case id	Use Case for Pesticide Marketing License in Service 1 SRS	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.4.12 Renewal of Pesticide Marketing License

Scope: This activity enables the actor to apply for renewal of Pesticide marketing license

Use Case ID:	UC_SAP_035	
Use Case Name:	Renewal of Pesticide Marketing License	
Actors:	Dealer / Manufacturer	
Stake Holder:	Dealer / Manufacturer	
Description:	This service enables the actor to apply for renewal of license for marketing Pesticides	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on “Pesticides Section → Renewal of Pesticide Marketing License” 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active 	
Post conditions:	Redirected to Renewal of Pesticide Marketing License functionality	
Input:	<ul style="list-style-type: none"> ▪ 	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on “Renewal of Pesticide Marketing License” 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the Renewal of Pesticide Marketing License Functionality (service 1 SRS)
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ 	System Responses <ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ Standard internet message for URL not found ▪ Standard internet message for connection not found
Includes: other use case id	Use Case for Renewal of Pesticide Marketing License in Service 1 SRS	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.5 Soil Health

Scope: This activity enables the actor to access the Soil Health application of State Agriculture Portal

Use Case ID:	UC_SAP_036
Use Case Name:	Soil Health

Actors:	Farmer / Citizen
Stake Holder:	Farmer / Citizen

Description:	This service aims at taking the actor to the Soil Health section	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Soil Health Section 	
Pre conditions:	Actor should have opened the State Agriculture Portal and accessed the Department of Agriculture application	
Post conditions:	Soil Health Section application opens	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the "Soil Health Section" link on home page of Department of Agriculture 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to "Soil Health Section" application
Alternative Flow:	<ul style="list-style-type: none"> ▪ Actor clicks on the "Seed Section" link on home page of Department of Agriculture ▪ Actor clicks on the "Pesticide Section" link on home page of Department of Agriculture ▪ Actor clicks on the "Fertilizer Section" link on home page of Department of Agriculture 	<ul style="list-style-type: none"> ▪ Actor is redirected to "Seed Section" application ▪ Actor is redirected to "Pesticides Section" application ▪ Actor is redirected to "Fertilizer Section" application
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.5.1 Soil Classification

Scope: This activity enables the actor to view the information on classification of soil

Use Case ID:	UC_SAP_037
Use Case Name:	Soil Classification
Actors:	Farmer / Citizen
Stake Holder:	Citizens / farmers

Description:	This service aims at providing the actor with information on classification of soil	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on Soil Health Section → Classification 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active ▪ Information on Classification of Soil will be present in the system. 	
Post conditions:	Information on Classification of Soil to be displayed	
Input:	<ul style="list-style-type: none"> ▪ 	
Output:		
Normal Flow:	Actor Actions Actor clicks on “Classification” link in the Soil section of the SAP	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the Classification page of the Soil section
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ 	System Responses <ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.5.2 Erosion

Scope: This activity enables the actor to view the information on erosion of soil

Use Case ID:	UC_SAP_038
Use Case Name:	Erosion

Actors:	Farmer / Citizen	
Stake Holder:	Citizens / farmers	
Description:	This service aims at providing the actor with information on erosion of soil	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on Soil Health Section → Erosion 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active ▪ Information on Erosion of Soil will be present in the system. 	
Post conditions:	Information on Erosion of Soil to be displayed	
Input:	<ul style="list-style-type: none"> ▪ 	
Output:		
Normal Flow:	Actor Actions Actor clicks on “Erosion” link in the Soil section of the SAP	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the Erosion page of the Soil section

Alternative Flow:	Actor Actions	System Responses
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	▪	
Special Requirements:		
Assumptions:	▪	
Dependency:		
Notes and Issues:	▪	

4.3.5.3 Saline Soil Reclamations

Scope: This activity enables the actor to view the information on saline soil reclamations

Use Case ID:	UC_SAP_039
Use Case Name:	Saline Soil Reclamations

Actors:	Farmer / Citizen	
Stake Holder:	Citizens / farmers	
Description:	This service aims at providing the actor with information on Saline Soil Reclamations	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on Soil Health Section → Saline Soil Reclamations 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active ▪ Information on Saline Soil Reclamations will be present in the system. 	
Post conditions:	Information on Saline Soil Reclamations to be displayed	
Input:	▪	
Output:		
Normal Flow:	Actor Actions Actor clicks on "Saline Soil Reclamations" link in the Soil section of the SAP	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the Saline Soil Reclamations page of the Soil section
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ 	System Responses <ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	<input type="checkbox"/>
Special Requirements:	
Assumptions:	<input type="checkbox"/>
Dependency:	
Notes and Issues:	<input type="checkbox"/>

4.3.5.4 Conservation Practices

Scope: *This activity enables the actor to view the information on conservation practices of soil*

Use Case ID:	UC_SAP_040
Use Case Name:	Conservation Practices

Actors:	Farmer / Citizen	
Stake Holder:	Citizens / farmers	
Description:	This service aims at providing the actor with information on conservation practices of soil	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on Soil Health Section → Conservation Practices 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active ▪ Information on Conservation Practices of soil will be present in the system. 	
Post conditions:	Information on Conservation Practices of soil to be displayed	
Input:	<input type="checkbox"/>	
Output:		
Normal Flow:	Actor Actions Actor clicks on "Conservation Practices" link in the Soil section of the SAP	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the Conservation Practices page of the Soil section
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ 	System Responses <ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<input type="checkbox"/>	
Special Requirements:		
Assumptions:	<input type="checkbox"/>	

Dependency:	
Notes and Issues:	■

4.3.5.5 Soil Testing Application

Scope: This activity enables the actor to access the Soil Testing Application

Use Case ID:	UC_SAP_041
Use Case Name:	Soil Testing Application

Actors:	Farmer / Dealer / Officer at Taluka and District	
Stake Holder:	Officer at Taluka and District Soil Testing Laboratory	
Description:	This service enables the actor to access the Soil Testing Application	
Trigger:	■ Actor clicks on “Soil Health Section → Soil Testing Application”	
Pre conditions:	■ Actor should have portal window active	
Post conditions:	■ Authorized users should have access to Soil testing application	
Input:	■	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on “Soil Health Application” link in the Soil section of the SAP 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to the Soil Testing Application page of the Soil section
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ■ 	System Responses <ul style="list-style-type: none"> ■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.5.6 Soil Testing Labs

Scope: This activity enables the actor to view list of Soil Testing Laboratories

Use Case ID:	UC_SAP_042
Use Case Name:	List of Soil Testing Laboratories

Actors:	Farmer / Dealer
Stake Holder:	Farmer / Dealer
Description:	This service enables the actor to view the list of Soil Testing Laboratories

Trigger:	■ Actor clicks on "Soil Health Section → Soil Testing Laboratories"	
Pre conditions:	■ Actor should have portal window active	
Post conditions:	List of Soil testing Labs	
Input:	■	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on "Soil Testing Laboratories" link in the Soil section of the SAP 	System Responses <ul style="list-style-type: none"> ■ List of Soil Testing Laboratories is displayed <ul style="list-style-type: none"> ● Lab Name ● Address ● Contact Person ● Contact Number
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ■ 	System Responses <ul style="list-style-type: none"> ■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.5.7 Diseases and Remedial Measures

Scope: This activity enables the actor to access the Diseases and Remedial Measures of Soil

Use Case ID:	UC_SAP_043
Use Case Name:	Diseases and Remedial Measures

Actors:	Farmer
Stake Holder:	Farmer
Description:	This service aims at taking the actor to the Diseases and Remedial Measures section
Trigger:	<ul style="list-style-type: none"> ■ Actor clicks on Soil Health Section → Diseases and Remedial measures
Pre conditions:	Actor should have opened the State Agriculture Portal
Post conditions:	Information on Diseases and Remedial Measures of soil is displayed
Input:	
Output:	

Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Diseases and Remedial Measures” link in the Soil section of the SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Diseases and Remedial Measures” page of the Soil section
Alternative Flow:	▪	▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	▪	
Special Requirements:		
Assumptions:	▪	
Dependency:		
Notes and Issues:	▪	

4.3.5.8 Soil Survey Maps

Scope: This activity enables the actor to access the Soil Survey maps section

Use Case ID:	UC_SAP_044
Use Case Name:	Soil Survey Maps

Actors:	Farmer	
Stake Holder:	Farmer	
Description:	This service aims at taking the actor to the Soil Survey Maps section	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on Soil Health Section → Soil Survey Maps 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Information on Soil Survey Maps is displayed	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Soil Survey Maps” link in the Soil section of the SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Soil Survey Maps” page of the Soil section
Alternative Flow:	▪	▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	■
Special Requirements:	
Assumptions:	■
Dependency:	
Notes and Issues:	■

4.3.5.9 Soil Fertility Index

Scope: *This activity enables the actor to access the Soil Fertility Index section*

Use Case ID:	UC_SAP_045
Use Case Name:	Soil Fertility Index

Actors:	Farmer	
Stake Holder:	Farmer	
Description:	This service aims at taking the actor to the Soil Fertility Index section	
Trigger:	■ Actor clicks on Soil Health Section → Fertility Index	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Information on Soil Fertility Index is displayed	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the "Soil Fertility Index" link in the Soil section of the SAP 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to "Soil Fertility Index" page of the Soil section
Alternative Flow:	■	■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.6 Crops

Scope: This activity enables the actor to access the application for Crops

Use Case ID:	UC_SAP_046	
Use Case Name:	Application for Crops	
Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Crops section	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Crops 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Crops section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the "Crops" link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to "Crops" application
Alternative Flow:	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.6.1 Crop Classification

Scope: This activity enables the actor to access the classification section of crops

Use Case ID:	UC_SAP_047
Use Case Name:	Crop Classification

Actors:	Farmer
Stake Holder:	Farmer
Description:	This service aims at taking the actor to the Classification section under Crops
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on Crops Section → Classification
Pre conditions:	Actor should have opened the State Agriculture Portal
Post conditions:	Information on crop classification is displayed
Input:	
Output:	

Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Classification” link in the Crops section of the SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Classification” page of the Crops section
Alternative Flow:	▪	▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	▪	
Special Requirements:		
Assumptions:	▪	
Dependency:		
Notes and Issues:	▪	

4.3.6.2 Crop Varieties

Scope: This activity enables the actor to access the varieties section of crops

Use Case ID:	UC_SAP_048
Use Case Name:	Crop Varieties

Actors:	Farmer	
Stake Holder:	Farmer	
Description:	This service aims at taking the actor to the varieties section under Crops	
Trigger:	▪ Actor clicks on Crops Section → Varieties	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Information on Crop Varieties is displayed	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Varieties” link in the Crops section of the SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Varieties” page of the Crops section
Alternative Flow:	▪	▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	<input type="checkbox"/>
Special Requirements:	
Assumptions:	<input type="checkbox"/>
Dependency:	
Notes and Issues:	<input type="checkbox"/>

4.3.6.3 Package of Practices

Scope: *This activity enables the actor to access the Package of Practices section under crops*

Use Case ID:	UC_SAP_049
Use Case Name:	Package of Practices

Actors:	Farmer	
Stake Holder:	Farmer	
Description:	This service aims at taking the actor to the Package of Practices section under Crops	
Trigger:	<input type="checkbox"/> Actor clicks on Crops Section → Package of Practices	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Information on Package of Practices for crops is displayed	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> <input type="checkbox"/> Actor clicks on the “Package of Practices” link in the Crops section of the SAP 	System Responses <ul style="list-style-type: none"> <input type="checkbox"/> Actor is redirected to “Package of Practices” page of the Crops section
Alternative Flow:	<input type="checkbox"/>	<input type="checkbox"/>
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> <input type="checkbox"/> Clicks link but the Service URL is unavailable <input type="checkbox"/> Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> <input type="checkbox"/> Standard internet message for URL not found <input type="checkbox"/> Standard internet message for connection not found
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<input type="checkbox"/>	
Special Requirements:		
Assumptions:	<input type="checkbox"/>	
Dependency:		
Notes and Issues:	<input type="checkbox"/>	

4.3.6.4 Good Agriculture Practices

Scope: This activity enables the actor to access the GAPs section under crops

Use Case ID:	UC_SAP_050
Use Case Name:	Good Agriculture Practices

Actors:	Farmer	
Stake Holder:	Farmer	
Description:	This service aims at taking the actor to the Package of Practices section under Crops	
Trigger:	<ul style="list-style-type: none"> ■ Actor clicks on Crops Section → Good Agriculture Practices 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Information on Good Agriculture Practices for crops is displayed	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the “Good Agriculture Practices” link in the Crops section of the SAP 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to “Good Agriculture Practices” page of the Crops section
Alternative Flow:	<ul style="list-style-type: none"> ■ 	<ul style="list-style-type: none"> ■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ■ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ■ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ■ 	

4.3.6.5 Crop Diary

Scope: This activity enables the actor to access the Crop Diary section under crops

Use Case ID:	UC_SAP_051
Use Case Name:	Crop Diary

Actors:	Farmer
Stake Holder:	Farmer
Description:	This service aims at taking the actor to the Crop Diary
Trigger:	<ul style="list-style-type: none"> ■ Actor clicks on Crops Section → Crop Diary
Pre conditions:	Actor should have opened the State Agriculture Portal

Post conditions:	Information on Crop Diary is displayed	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the "Crop Diary" link in the Crops section of the SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to "Crop Diary" page of the Crops section
Alternative Flow:	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.7 Farmers Corner

Scope: This activity enables the actor to access the facilities provided to the farmers on the State Agriculture Portal

Use Case ID:	UC_SAP_052
Use Case Name:	Link to Farmer's Corner

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the facilities for Farmers	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Farmer's Corner 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Farmer's Corner page opens	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the "Farmer's Corner" link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to "Farmer's Corner" application
Alternative Flow:	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's 	System Responses <ul style="list-style-type: none"> ▪ Standard internet message for URL not found ▪ Standard internet message for connection not found

	internet access has been temporarily disabled	connection not found
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.7.1 Farmer Registration

Scope: This activity enables the actor to register as farmer and update the Farmers database

Use Case ID:	UC_SAP_053
Use Case Name:	Registration of farmer

Actors:	Farmer	
Stake Holder:	Farmer	
Description:	This service aims at registering the farmer and updating the Farmers Database	
Trigger:	■ Actor clicks on Farmer's Corner → Farmer Registration	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Trigger mail sent to the Actor's mail id and database to be updated with farmer details	
Input:	1. Farmer's detail <ul style="list-style-type: none"> • Name (First Name, Middle Name, Last Name) • Address (State, District, Block, Village, Pin Code (Link with Post database)) • Phone - Landline • Mobile number • e-mail id • Farmer Type (Agricultural, Livestock, Fisherman) 	
Output:	■ Details as mentioned to be entered in database (respective tables)	
Normal Flow:	<ul style="list-style-type: none"> ■ Actor clicks on the "Farmer Registration" link on home portal 	System Responses <ul style="list-style-type: none"> ■ Farmer basic details page is loaded with following fields. This is the minimum required information for farmer registration. • Name (First Name, Middle Name, Last Name) • Address (State, District, Block, Village, Pin Code (Link with Post database)) • Phone - Landline

		<ul style="list-style-type: none"> • Mobile number • e-mail id • Farmer Type (Agricultural, Livestock, Fisherman) <ul style="list-style-type: none"> ■ Actor fills the details and clicks on Submit ■ Actor selects Yes ■ Actor selects No
		<ul style="list-style-type: none"> ■ Actor is provided with option to update "Static Information" with Yes/No options. ■ Actor is redirected to "Update Static Information" use case ■ Actor is redirected to home page of portal
Alternative Flow:	■	■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.7.2 Update Static Information for farmer

Scope: This activity enables the actor to provide the static information required and update the Farmers database

Use Case ID:	UC_SAP_054
Use Case Name:	Update Static information

Actors:	Farmer
Stake Holder:	Farmer
Description:	This service aims at updating the Farmers Database
Trigger:	<ul style="list-style-type: none"> ■ Actor clicks on Farmer's Corner → Update Profile → Static Information
Pre conditions:	Actor should have opened the State Agriculture Portal and logged in with valid user credentials
Post conditions:	Trigger mail sent to the Actor's mail id and database to be updated with farmer details
Input:	
Output:	<ul style="list-style-type: none"> ■ Details as mentioned to be entered in database (respective tables)
Normal Flow:	Actor Actions
	System Responses

	<ul style="list-style-type: none"> ■ Logs in to Portal and clicks on "Static Information" <p>This is the information required for Sum Total of Required data elements (LCM) for 360 degree view.</p> <ul style="list-style-type: none"> ■ Farmer fills the personal details and clicks on Next. 	<ul style="list-style-type: none"> ■ Personal details page is loaded with following information fields <ul style="list-style-type: none"> ● Father's name ● Mother's name ● Gender ● Age (Date of birth) ● Marital status ● Photo ● Identification (Voter id, Ration Card, UID, Driving License, KCC No., NPR, Fishermen Biometric card etc.) ● Personal Identification Mark ● Educational Qualification <ul style="list-style-type: none"> ○ Illiterate/Literate ○ Non-Matric, Matric, graduate, post-graduate, Diploma, Other ○ Field ■ Family details page is loaded with following information fields <p>Family details</p> <ul style="list-style-type: none"> ● No. of family members (Dependent) <ul style="list-style-type: none"> ○ Name(First Name, Middle Name, Last Name), ○ Gender ○ Relationship with farmer ○ Age ○ Educational qualification ○ Employment status, ○ If employed, then income, ○ Photo <p>(based on number of family members, the details for each family member is to be validated) (option to add/edit/delete)</p>
	<ul style="list-style-type: none"> ■ Farmer fills the personal and family details and clicks on Next 	<ul style="list-style-type: none"> ■ Farm details page is loaded with following information fields <p>Farm details</p> <ul style="list-style-type: none"> ● Land Holding details (Khasra No., Rakba, Rin Pustika No., Survey/subdivision number, Sub-Survey No.)

		<p>etc.) (Integration with Land Records through AGRICENSUS application by NIC, Pune for AGRI Census Maharashtra)</p> <ul style="list-style-type: none"> • Farm Size (In Bigha/acres/Hectares/..) (Based on its automatic categorization as Landless Farmer(0 – 3 Bigha / 0 - 0.4 Hectares) , Marginal Farmer (3 – 7.5 Bigha / 0.4 – 1 Hectares), Small Farmer (7.5 – 15 Bighas / 1-2 hectares) , Big Farmer (More than 15 Bighas / More than 2.0 Hectares) <p>Soil type</p> <ul style="list-style-type: none"> • Land type - Irrigated/Rainfed/Dryland • Irrigation Infrastructure available on farm (Wells, tube wells, drip irrigation, etc.) • Type of Cultivation (Self / Lease / Share) • Man Power for Farming Self / Hired Basis • Type of area • Area under Nursery • Area under vegetable crops • Area under permanent crops • Area under progeny orchard • Planting materials • Tuber crops <p>Crop details</p> <ul style="list-style-type: none"> • Crops cycles • Crops grown <p>Livestock details</p> <ul style="list-style-type: none"> • Number of animals owned • Species, Animal, breed, age
	<ul style="list-style-type: none"> ▪ Farmer fills the details and clicks on Next 	<ul style="list-style-type: none"> ▪ Other details page is loaded with following information fields <p>Equipment details</p> <ul style="list-style-type: none"> • Name of equipment • Number • Make <p>(option to add/edit/delete)</p> <p>Source of agricultural Inputs</p> <ul style="list-style-type: none"> • Name and address of the

	<ul style="list-style-type: none"> ■ Farmer fills the details and clicks on Next 	<p>dealer/agency (Seed, Fertilizers, Pesticides) (option to add/edit/delete)</p> <p>Markets accessed for produce</p> <ul style="list-style-type: none"> • Name of the market and address <p>(option to add/edit/delete)</p> <p>Financial details page is loaded with following information fields</p> <p>Bank details (option to add/edit/delete)</p> <ul style="list-style-type: none"> • Bank name • MICR No • IFS Code for online payment applications • Branch Name and Code • Account Number • Loan as on date • Kisan Credit Card holder (Yes/No) <p>Insurance details (option to add/edit/delete)</p> <ul style="list-style-type: none"> • Name of the agency • Type of insurance • Insured on • Policy no • Date of maturity • Premium • Mode of payment <p>Family Economical Status</p> <ul style="list-style-type: none"> • APL/BPL/AAY (Antyodaya Anna Yojana) • Annual Income • From farm • From livestock • From Fisheries • From other activities (Specify) <p>(option to add/edit/delete)</p>
	<ul style="list-style-type: none"> ■ Farmer fills the details and clicks on Next 	<p>Others page is loaded with following information field</p> <p>Source of knowledge /Technical updating</p> <ul style="list-style-type: none"> • State Agriculture Departments, KVK, SAU, ICAR, Helpline (toll Free numbers), Meetings, Trainings/ Workshops, TV, Radio, SMS, progressive farmers, extension workers, etc. <p>(option to add/edit/delete)</p>

		<p>Other</p> <ul style="list-style-type: none"> • House (owned / rental) (Pakka / Kaccha) (option to add/edit/delete) • Size of house (Sq. meters/feet) (option to add/edit/delete) • Caste/ Category (SC/ST/BC/OBC/Gen) • Religion • Minority (Yes/No) • Membership in societies/groups like PACS, Agricultural cooperatives, NGOs, SHGs etc. <ul style="list-style-type: none"> • Name of the agency • Address details • Membership number • Date of issue • Date of validity <p>(option to add/edit/delete)</p> <ul style="list-style-type: none"> ▪ Farmer fills the details and clicks on Submit ▪ Actor is redirected to the Landing page in “Update details”
Alternative Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Actor chooses to update the Dynamic information 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ Actor is redirected to Dynamic Information use case accordingly
Exceptional Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ Static Information is a one-time activity. However, option to edit details should be provided. Also, wherever applicable, option to add/edit/delete to be provided 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.7.3 Update Dynamic Information for farmer

Scope: This activity enables the actor to provide the dynamic information required and update the Farmers database

Use Case ID:	UC_SAP_055
Use Case Name:	Update Dynamic information

Actors:	Farmer		
Stake Holder:	Farmer		
Description:	This service aims at updating the Farmers Database		
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on Farmer's Corner → Update Profile → Dynamic Information 		
Pre conditions:	Actor should have opened the State Agriculture Portal and logged in with valid user credentials		
Post conditions:	Trigger mail sent to the Actor's mail id and database to be updated with farmer details		
Input:			
Output:	Details as mentioned to be entered in database (respective tables)		
Normal Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Logs in to Portal and clicks on "Update Information" and selects "Dynamic Information" <p>This information has to be updated every season.</p>	<p>System Responses</p> <ul style="list-style-type: none"> ▪ The page loads with following information fields ▪ Year (to be auto populated) ▪ Season (to be auto populated) <p>Inputs</p> <ul style="list-style-type: none"> ▪ Crop Sown ▪ Area Sown ▪ Variety used ▪ Seeds used ▪ Fertilizers used ▪ Pest occurrence and pesticides used ▪ Water sources used ▪ Labour ▪ Machinery used <p>Production, Income, Expenditure, Insurance</p> <ul style="list-style-type: none"> ▪ Crop wise production ▪ Crop wise income ▪ Expenditure ▪ Crop Insurance details <ul style="list-style-type: none"> ○ Name of the agency ○ Type of insurance ○ Insured on ○ Policy no ○ Date of maturity ○ Premium ○ Mode of payment <p>Marketing</p> <ul style="list-style-type: none"> ▪ Warehouse facility used ▪ Processing facilities used ▪ Markets 	

	<ul style="list-style-type: none"> ▪ Actor clicks on Submit 	<ul style="list-style-type: none"> ▪ Actor is redirected to home page of portal
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor submits only partial information 	System Responses <ul style="list-style-type: none"> ▪ System should allow the actor to do so
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ Dynamic Information is repetitive activity every season. However, option to edit details should be provided. 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.7.4 Mail/SMS sent to farmer to update season information (Dynamic Information)

Scope: This activity enables the actor to register provide the dynamic information required and update the Farmers database

Use Case ID:	UC_SAP_056
Use Case Name:	Reminder mail/SMS to farmer to update Information

Actors:	System	
Stake Holder:	Farmer	
Description:	This service aims at updating the Farmers Database	
Trigger:	<ul style="list-style-type: none"> ▪ Admin from Taluka/District office clicks on Farmer's Corner → Send reminder eMail/SMS to farmers ▪ Mail/SMS sent to farmer requesting to update season information based on time set for trigger 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Season duration specified ▪ Timeframe for updating of information specified ▪ System runs a check before sending mail. The system checks if information has been updated in the Database or not. If not, mail/SMS is sent to those farmers 	
Post conditions:	Trigger mail sent to all farmers who haven't updated the Dynamic Information for the season	
Input:	<ul style="list-style-type: none"> ▪ 	
Output:	Details as mentioned to be entered in database (respective tables)	
Normal Flow:	Actor Actions	System Responses

		<ul style="list-style-type: none"> ▪ System checks if information is updated ▪ Lists all farmers whose information is yet to be updated ▪ Sends SMS/ mail in pre-decided format requesting farmers to update information ▪ Mail is also sent to concerned Taluka with list of farmers (Taluka-wise) intimating failure to update data
Alternative Flow:	Actor Actions ■	System Responses ■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.7.5 Registered Farmers List

Scope: This activity enables the actor to view the list of farmers registered

Use Case ID:	UC_SAP_057
Use Case Name:	Farmers List

Actors:	Taluka/ District office admin (Agricultural Officer, Taluka ADA, DDA, District JDA)
Stake Holder:	Farmer, Taluka/ District office admin (Agricultural Officer, Taluka ADA, DDA, District JDA)
Description:	This service aims at providing the actor the list of farmers who have registered with the State Agriculture Portal
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on Farmer Corner → Registered Farmers List
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have logged into the portal and should have access to view the list
Post conditions:	
Input:	■
Output:	

Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor logs into the portal and selects “Registered Farmers List” ▪ Option to filter the list with following filters <ul style="list-style-type: none"> • District • Taluka • Block ▪ Actor selects “Static Information” ▪ Actor Selects “Dynamic Information” 	System Responses <ul style="list-style-type: none"> ▪ List is displayed with basic details of farmer ▪ List is displayed with basic details of farmer based on filter options selected by actor ▪ List of farmers with their static information is displayed ▪ List of farmers with their dynamic information is displayed
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor Selects “Dynamic Info Status Update” ▪ Actor clicks on “Send Reminder Mail” 	System Responses <ul style="list-style-type: none"> ▪ List of farmers with dynamic information and status is updated ▪ UC_SAP_056 is invoked
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ Standard internet message for URL not found ▪ Standard internet message for connection not found
Includes: other use case id	UC_SAP_056	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<input type="checkbox"/>	
Special Requirements:		
Assumptions:	<input type="checkbox"/>	
Dependency:		
Notes and Issues:	<input type="checkbox"/>	

4.3.7.6 Related Websites

Scope: This activity enables the actor to view the links/websites related to Department of Agriculture

Use Case ID:	UC_SAP_058
Use Case Name:	Related Websites List

Actors:	Farmer / Citizen
Stake Holder:	Farmer / Citizen
Description:	This service aims at providing the actor the list of websites related to Department of Agriculture
Trigger:	<input type="checkbox"/> Actor clicks on “Department of Agriculture” → “Related Websites”
Pre conditions:	<input type="checkbox"/> Actor should have access to the State Agriculture Portal
Post conditions:	Related websites should be displayed

Input:	■	
Output:		
Normal Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ■ Actor logs into the portal and selects “Related Website” ■ Actor clicks on “Mahaagri” ■ Actor clicks on “Maharashtra State Marketing Board” ■ Actor clicks on “Horticulture Mission” ■ Actor clicks on “Agricoop” ■ Actor clicks on “DACNET” ■ Actor clicks on “Farmer Portal” ■ Actor clicks on “FMS Application” 	<p>System Responses</p> <ul style="list-style-type: none"> ■ Related websites list is displayed ■ http://mahaagri.gov.in/ opens in new window ■ http://msamb.com/ opens in a new window ■ http://hortnet.gov.in/Login-mah.aspx opens in a new window ■ http://agricoop.nic.in/ opens in a new window ■ http://dacnet.nic.in/ opens in a new window ■ http://dacnet.nic.in/farmer/new/home-new.html opens in a new window ■ FMS Application opens in a new window
Alternative Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ■ 	<p>System Responses</p> <ul style="list-style-type: none"> ■
Exceptional Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	<p>System Responses</p> <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.8 Grievance Management

Scope: This activity enables the actor to access the Grievance Management Application

Use Case ID:	UC_SAP_059	
Use Case Name:	Application for Grievance Management	
Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for Grievance Management	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Grievance Management 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Grievance Management section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Grievance Management” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Grievance Management” application
Alternative Flow:	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.8.1 New Grievance registered

Scope: This activity enables the actor to register a grievance

Use Case ID:	UC_SAP_060
Use Case Name:	Entry of new grievance

Actors:	Farmer / Citizen
Stake Holder:	Farmer / Citizen
Description:	This service enables the user to enter a grievance into the system
Trigger:	<ul style="list-style-type: none"> ▪ Actor selects Grievance Redressal option on Grievance Management page
Pre conditions:	Actor should have opened the State Agriculture Portal Users authorized to receive the grievance already listed/entered in system (based on user access)

Post conditions:	Grievance is registered in the system and mail sent to actor and concerned authority for addressing the issue	
Input:		
Output:		
Normal Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Actor clicks on the “Grievance Management” link on State Agriculture Portal home page ▪ Actor clicks on the “Grievance Redressal” link on State Agriculture Portal Grievance Management page ▪ Actor is provided with following fields for information entry <ul style="list-style-type: none"> • Department (options of all relevant departments such as Agriculture, horticulture, floriculture etc is provided) • Section (options of all sections seeds, pesticides, soil etc is provided) • Option for Others is provided • Grievance / Issue • Additional information <ul style="list-style-type: none"> • Name of actor (optional) • Mobile number (optional) • E-mail ID (optional) • Options to Submit, Exit provided • Actor selects submit option 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ Actor is redirected to “Grievance Management” Page ▪ On selection of Submit ▪ Information as entered by actor is registered in Database. ▪ Unique number assigned to the grievance for reference is displayed on screen for actor ▪ Mail /SMS sent to actor with receipt for grievance and details of grievance registered. Timelines for resolution of grievance also mentioned ▪ Mail is sent to concerned authority with details for grievance and timelines assigned
Alternative Flow:	<ul style="list-style-type: none"> ▪ Actor selects Exit option 	<ul style="list-style-type: none"> ▪ Actor is redirected to home page of State Agriculture Portal
Exceptional Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ 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	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	■
Special Requirements:	
Assumptions:	■
Dependency:	
Notes and Issues:	■

4.3.8.2 View Grievance and take action

Scope: This activity enables the actor to view grievance and take appropriate action

Use Case ID:	UC_SAP_061
Use Case Name:	Action for grievance

Actors:	Agricultural offices, Taluka ADA , District DDA and JDA	
Stake Holder:	Farmer / Citizen	
Description:	This service enables the user to take appropriate action	
Trigger:	■ Actor received mail for grievance	
Pre conditions:	Actor should have opened the State Agriculture Portal Users authorized to receive the grievance already listed/entered in system receive it	
Post conditions:	Grievance is directed to person responsible to address it	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the “Grievances responsibility” link on Grievance Management Page ■ Actor is provided with following fields for information entry <ul style="list-style-type: none"> • Department (options of all relevant departments such as Agriculture, horticulture, floriculture etc is provided) • Section (options of all sections seeds, pesticides, soil etc is provided) • Option for Others is provided • Grievance / Issue • Grievance reference number • Responsibility (option to select user from list) • Time frame (option to 	System Responses <ul style="list-style-type: none"> ■ Information as entered by actor is registered in Database. ■ Mail /SMS sent to actor under “Responsibility” field with details of grievance registered. Timelines for resolution of grievance also mentioned ■ Mail is sent to concerned authority

	enter number of days provided) <ul style="list-style-type: none"> • Actor selects submit option 	
Alternative Flow:	<ul style="list-style-type: none"> ▪ Actor selects Exit option 	<ul style="list-style-type: none"> ▪ Actor is redirected to home page of State Agriculture Portal
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.8.3 Resolution of Grievance

Scope: This activity enables the actor to resolve the grievance

Use Case ID:	UC_SAP_062
Use Case Name:	Resolution of grievance

Actors:	Agriculture Officer, Taluka ADA, District DDA and JDA	
Stake Holder:	Farmer / Citizen	
Description:	This service enables the actor to provide resolution for grievance	
Trigger:	<ul style="list-style-type: none"> ▪ Mail received from concerned authority to address grievance 	
Pre conditions:	Actor should have opened the State Agriculture Portal Users authorized to receive the grievance already listed/entered in system	
Post conditions:	Grievance resolution is updated in the system and mail sent to actor and concerned authority with resolution	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the "Grievances Resolution" link on Grievance Management Page ▪ Actor is provided with following fields for information entry <ul style="list-style-type: none"> • Grievance / Issue 	System Responses <ul style="list-style-type: none"> ▪ Information as entered by actor is registered in Database. ▪ Mail /SMS sent to actor with receipt for grievance and details of grievance resolution ▪ Mail/SMS is sent to user who registered grievance and

	<ul style="list-style-type: none"> • Grievance reference number • Resolution comments • Option to submit 	concerned authority with details for grievance and resolution
Alternative Flow:	■ Actor selects Exit option	■ Actor is redirected to home page of State Agriculture Portal
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:	If no mail id or phone number is provide by actor registering the grievance, resolution is displayed only to user information available (user details as registered)	
Notes and Issues:	■ .	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.8.4 Escalation of grievance

Scope: This activity enables the actor to escalate a grievance

Use Case ID:	UC_SAP_063
Use Case Name:	Escalation grievance

Actors:	Farmer / Citizen
Stake Holder:	Farmer / Citizen, concerned authority
Description:	This service enables the user to escalate a grievance in the system
Trigger:	■ Actor selects Grievance Redressal option on Grievance Management page
Pre conditions:	Actor should have opened the State Agriculture Portal Users authorized to receive the grievance already listed/entered in system

	(for escalation) Grievance is registered in the system	
Post conditions:	Grievance is registered in the system and mail sent to actor and concerned authority for addressing the issue post escalation	
Input:		
Output:		
Normal Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Actor clicks on the “Grievance Management” link on State Agriculture Portal home page and submits ▪ Actor selects “Grievance Escalation” option ▪ Actor is provided with following fields for information entry <ul style="list-style-type: none"> • Grievance / Issue (registered earlier) • Grievance Reference Number • Comments (to enter details for escalation) • Options to Submit, Exit provided • Actor selects submit option 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ Actor is redirected to “Grievance Management” page ▪ This option is available only when resolution is provided ▪ Information as entered by actor is registered in Database. ▪ Mail /SMS sent to actor with receipt for grievance and details of grievance registered. Timelines for resolution of grievance also mentioned ▪ Mail is sent to concerned authority (for escalation)with details for grievance and timelines assigned
Alternative Flow:	<ul style="list-style-type: none"> ▪ Actor selects Exit option 	<ul style="list-style-type: none"> ▪ Actor is redirected to home page of State Agriculture Portal
Exceptional Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ Standard internet message for URL not found ▪ Standard internet message for connection not found
Includes: other use case id	Use cases for assigning responsibility and resolution to be used	
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.9 Expert Advisory

Scope: This activity enables the actor to access the Expert Advisory Application

Use Case ID:	UC_SAP_064	
Use Case Name:	Application for Expert Advisory	
Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for Expert Advisory	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Expert Advisory 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Expert Advisory section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the "Expert Advisory" link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to "Expert Advisory" application
Alternative Flow:	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.9.1 Add New Query

Overview: The System provides a provision to the actor to Add a new query, if he/she doesn't find the answer of his/her query available in the existing FAQ list on the SAP Portal/Service/Sub Service.

Use Case ID:	UC_SAP_065
Use Case Name:	Add New Query

Actors:	Primary Actor Farmer/Citizen who wishes to raise any query to get advice of the subject matter expert.
Stake Holder:	Farmer/Citizen
Description:	This use case allows actor to Add New query on specific service/sub service.

Trigger:	The actor selects the option available State Agriculture Portal →View FAQ List->Add New Query.	
Pre conditions:	Actor is viewing the service/ sub service home page Or SAP user is logged in to the Portal and viewing the any Service/Sub service home page.	
Post conditions:	<ol style="list-style-type: none"> 1. Submitted Query will be forwarded to the subject matter expert for acceptance/rejection. 2. The Status of the submitted query will be reflected as "Submit" on the Service Home Page and the SAP. 3. As the actor submit query, it would also be sent to the registered subject matter expert of the selected FAQ Category. 4. A System generated reference number against the submitted query will be sent to the actor's registered mobile number in local language. 5. Using this reference number, the actor can view the status of the submitted query on the Portal/ Service home page. 	
Input:	SAP service/sub service name FAQ category name Query Text Mobile number E-mail ID Other Address Details Captcha	
Output:	The query will be forwarded to the subject matter expert for acceptance/rejection.	
Normal Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Actor chooses to Add New Query. <p>Actor would fill all the above fields and submits the data.</p>	<p>Systems Responses</p> <ol style="list-style-type: none"> 1. System captures the following mandatory parameters to add a Query : a. SAP Service/ Sub Service name – this field is auto displayed by the system as the Service/sub service through which the actor has browsed the Add query link. b. FAQ Category Name - Actor selects the suitable FAQ category name from the drop box list. c. Query text – Actor enters the text of his query/question. d. Mobile Number- Actor specifies the registered mobile number on which he/she wants to receive the status of the submitted query. e. Email id - Actor specifies the email address on which the reply needs to be sent. Email would be the optional field. f. Location Area level -The System prompts the actor to select the location area from which he/she belongs i.e. District/Tahseel/Block/ Panchayat/Village/ Khasra No. g. District – Actor selects the district name from the drop box list wherein he/she is currently

	<p>Actor selects District in the Location Area Level,</p> <p>Actor selects Tahseel in the Location Area Level,</p> <p>Actor selects Block in the Location Area Level,</p> <p>Actor selects Panchayat in the Location Area Level,</p>	<p>located.</p> <p>h. Tahseel-</p> <ul style="list-style-type: none"> • System prompts the actor to select the district name from the drop down enlisting all the districts of the belonging State. • The System prompts the actor to select the tahseel name from the drop box list wherein he/she is currently located. <p>i. Block:</p> <ul style="list-style-type: none"> • System prompts the actor to select the district name from the drop down enlisting all the districts of the belonging State. • The System prompts the actor to select the tahseel name from the drop box list wherein his belonging block exists. All the tahseels belonging to the selected district will be displayed for selection • The System prompts the actor to select the block name from the drop down enlisting all the blocks of the selected tahseel. <p>j. Panchayat:</p> <ul style="list-style-type: none"> • System prompts the actor to select the district name from the drop down enlisting all the districts of the belonging State. • The System prompts the actor to select the tahseel name from the drop box list wherein his belonging block exists. All the tahseels belonging to the selected district will be displayed for selection • The System prompts the actor to select the block name from the drop down enlisting all the blocks of the selected tahseel. • Depending on the selected block, the system will prompt the actor to select his/her Panchayat name from the
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	<p>Actor selects Village in the Location Area Level,</p> <p>Actor enters the specified Captcha word.</p> <p>Actor fills all the above fields and submits the details.</p>	<p>drop down enlisting all the belonging Panchayats of that block.</p> <p>k. Village:</p> <ul style="list-style-type: none"> • System prompts the actor to select the district name from the drop down enlisting all the districts of the belonging State. • The System prompts the actor to select the tahseel name from the drop box list wherein his belonging block exists. All the tahseels belonging to the selected district will be displayed for selection • The System prompts the actor to select the block name from the drop down enlisting all the blocks of the selected tahseel. • Depending on the selected block, the system will prompt the actor to select his/her Panchayat name from the drop down enlisting all the belonging Panchayats of that block. • The System will prompt the actor to select the village name from the drop down enlisting all the belonging villages of the selected Panchayat. • The Actor would specify the Khasra Number of his/her land. <p>I. Captcha – The actor would be required to specify the Captcha image being shown on the screen in the available text box.</p> <p>System responds with the message “FAQ Category was successfully submitted/ added in the system.”</p> <p>System responds with the message “Your Query has been successfully submitted.”</p>
Alternative Flow:	None	
Exceptional Flow:	<p>Actor attempts to submit without selecting the ‘FAQ Category name’</p> <p>Actor attempts to submit without entering the ‘Query text’</p>	<p>System displays the message “Please select the FAQ category name”</p> <p>System displays the message “Please enter value in Query Text”</p>

	Actor attempts to submit without entering the 'Mobile Number' Actor attempts to submit without selecting the 'Location Area Level' Actor attempts to submit without selecting the 'District/Tahseel/Block/Panchayat/Village' Actor attempts to submit without specifying Khasra No. if the selected Location Area Level is Village.	System displays the message "Please specify the mobile number". System displays the message "Please select location area level" System displays the message "Please select District/Tahseel/Block/Panchayat/Village" The System displays the message, "Please specify the Khasra No."
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	Medium	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Medium	
Business Rules:	<ol style="list-style-type: none"> FAQ Category drop box would be populated basis the SAP Service/sub service name being browsed by the actor while adding the query. Refer Add FAQ Category use case. Query should be routed to the respective Subject Matter Expert of the Service/Sub Service for answering. While FAQ manager of SAP portal should be able to answer the query of any SAP Service/Sub Service. Actor should be able to choose more than one query at a time to answer. This would be done for providing a single answer to similar type of queries available in the query list. For actor as a Farmer/Citizen, Add Query option should be available on all pages of Service/Sub Service or SAP as global link. Actor should be able to add query in any of the UNICODE supported languages. 	
Special Requirements:	None	
Assumptions:	None	
Dependency:	<u>Extends</u> None <u>Is Extended By</u> None <u>Uses</u> <u>SAP/Service/sub service Home Page</u> Login (for SAP registered User)	
Notes and Issues:	None	

4.3.9.2 Query Acceptance and Expert Advice

Scope: The expert advisory process relates to the advice sought by the farmers directly with subject matter experts at the state and national level, with regards to their queries on cropping lifecycle.

Use Case ID:	UC_SAP_066
Use Case Name:	Query Acceptance and Expert Advice

Actors:	Primary Actor Subject Matter Expert and authorized to give advices against the raised queries	
Stake Holder:	Farmers/Citizen	
Description:	This use case will provide a provision to the actor to give advices against the received queries.	
Trigger:	The actor selects the option available State Agriculture Portal->Transactions and Work Flow->Query Acceptance and Expert Advice	
Pre conditions:	<ol style="list-style-type: none"> 1. The actor must be registered on the SAP and logged in 2. There must be at least one query available in his/her expert advisory system. 	
Post conditions:	<ul style="list-style-type: none"> • If the actor accepts the queries, the queries would be reflected in his expert advice system to give response/advice. • The status of the accepted or rejected queries will be reflected on the SAP/Service home page. • As the actor accepts or rejects the query, system triggers an SMS to the registered mobile number of the stakeholder against the generated reference number. • If the actor doesn't respond to the query within designated time, it will be forwarded to the next level expert advice. • The saved answers of the experts will be stored in the database and would be available for publishing it to the actor with the assigned privileges (Director for verification and Conformance.) • Saved answers would be available for modification/deletion. • Published answers would be added in the FAQ List and displayed on the home page of the SAP/Service and an SMS will be sent to the stakeholder's registered mobile number. • System should capture the User id of the actor forwarding the query along with date & Time of forwarding the query. • In case query is forwarded by the actor, the query should be moved to the Answer Query list of the specified SME for answering. And the Query is removed from the actor's Answer Query list and moved to that of forwarded SME. • The replied queries should also be removed from that SME and should be carrying forward to the "Responded Query list". 	
Input:	<ul style="list-style-type: none"> • One or Multiple Query Acceptance/Rejection. • Adding responses/advises. 	
Output:	The provided advices will be added to the FAQ Answer list and would be available to the stakeholder to view on the SAP/Service home page.	
Normal Flow:	<p>Actor Actions</p> <ol style="list-style-type: none"> 1) The actor clicks on the option "Accept/Reject Query". • If the actor finds query relevant to his/her subject • If the actor finds query irrelevant to his/her subject. • If the actor finds relevant to any other Subject of the same service/Sub service. <p>Once the Selected queries get accepted by the actor,</p>	<p>System Responses</p> <p>System displays the list of queries FAQ category wise as available to him/her for acceptance and advice.</p> <p>He/ She may accept the Query</p> <p>He/ She may reject the Query.</p> <p>He/ She may forward it to the relevant Subject Matter Expert.</p> <p>These will be reflected to the actor to give responses under Expert Advice option.</p>

	Once the Selected queries get rejected by the actor,	The rejected queries will be discarded from the Expert Advice interface and would be displayed in the “Rejected Queries” link.
	<p><i>The actor gives advices against the selected queries-</i></p> <p>Actor chooses to Answer Query</p> <p>Actor clicks on the “FAQ Answer” link to add the query answer in the ‘FAQ Answer Text’.</p> <p><i>Actor saves the data</i></p> <p><i>Actor clicks on the Publish button</i></p>	<p>1. Actor may either choose to Answer Query or Forward Query.</p> <p>2. System captures the following mandatory parameters in read only mode as specified by the stakeholder in the add a Query use case :</p> <ul style="list-style-type: none"> a. SAP Service/Sub Service name – System displays the Service/Sub Service name. b. FAQ Category Name - System displays the FAQ category name. c. Query text – System displays the query text. d. Location Area Level - System displays the selected District/Tahseel/Block/Panchayat/Village. e. Mobile Number f. Email id – System displays the email id Answer – actor enters the answer to the query <p>System responds with the message “Query was successfully answered and added to the FAQ list”</p> <p>The given responses would be confirmed and added on the FAQ list.</p>
Alternative Flow:	<p>Alternative Flow 1:</p> <p>Actor chooses to Forward Query in while giving Advices in Step 1.</p>	<p>1. System displays the below options available for forwarding the query as ‘Forward to’. Actor can select any one of the mentioned options :</p> <ul style="list-style-type: none"> a. Centre Level – In case actor selects Centre level, system displays the name(s) and user ids of all users who have been assigned the role of Subject Matter Expert for the FAQ/Subject Category at Centre Level. Actor then selects the specific Centre SME from the drop box. b. State Level - In case actor selects State level, system captures the State name from the actor. And displays the name(s) and user ids of all users who have been assigned the role of SME for the specified FAQ Category/ Subject in the selected State, Actor then selects the specific State SME from the

	<p>Actor enters remarks and click Forward link.</p> <p>Alternative Flow 2: Actor doesn't respond to the query within 24 hours of it's submission. Actor enters the Remarks and submits.</p>	<p>drop box.</p> <p>c. District Level - In case actor selects District level, system further captures the State name and then District Name from the actor. And displays the name(s) and user ids of all users who have been assigned the role of SME for the specified FAQ/Subject in the selected District, Actor then selects the specific District SME from the drop box.</p> <p>System responds with the message "Query was forwarded successfully." The System will automatically forward it to the next higher level of SME for give responses.</p> <p>System displays a message," Response has been submitted successfully."</p>
Exceptional Flow:	None	
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Medium	
Business Rules:	<ol style="list-style-type: none"> 1. Query is available to the respective SME of Service/Sub service FAQ Category for answering as per the SAP Service/Sub Service name. 2. While FAQ manager of SAP portal would be able to answer the query of any Service/Sub service. 3. Once answered, query should be removed from the list and forwarded to the View FAQ List. 4. The query should be answered in the language of the query only. 5. A query can be forwarded by the actor as many times as required by him/her. 6. The role SME would be available at all levels – Centre, State and District. 7. The Centre SME, State SME and District SME drop box list would be populated only with respect to the service/ sub service name of the query raised. 8. Forwarded Query should be removed from the actor's Answer Query list and moved to another SME (to whom the query was forwarded by the actor). 9. In case actor is answering a Forwarded Query, he/she should be able to view following additional 'Forward details' on the query as (in Read only mode): <ul style="list-style-type: none"> • Forward Remarks – Remarks entered by the actor while query was forwarded by him/her. • User id – User id of the actor who has forwarded this query. • Role (Centre SME/State SME /District SME) – Level/role to 	

	<ul style="list-style-type: none"> whom the query was forwarded. • State (in case Role is State SME) • District (in case District SME) • Date & Time – Date & Time when query was forwarded. <p>10. There would be as many ‘Forward Details’ visible to the actor while answering as many times the Query was forwarded before coming to him/her.</p> <p>11. All the unanswered Queries would be auto archived after every Time Frequency for 30 days (configurable parameter at SAP level).</p> <p>12. While all the archived queries would be auto deleted after the Duration of 60 days (configurable parameter at SAP level).</p>	
Exceptions:	No Query available in the system for answering: Actor attempts to submit without entering the ‘Answer’: Actor attempts to Forward to Centre level while no users exists under Centre SME role: Actor attempts to Forward to State level while no users exists under State SME role: Actor attempts to Forward to District level while no users exists under District SME role:	System displays the message as “No Query Available.” System displays the message “Please enter value in Answer” System displays the message “No Centre SME is available in the system.” System displays the message “No State SME is available in the system.” System displays the message “No District SME is available in the system.”
Special Requirements:	None	
Assumptions:	a. The actor is registered either on SAP and access the application/service through single sign on. b. Hardware like computer/laptop system and network connection is available to the actor. c. The actor is having a valid mobile number. d. Actor is having an internet banking access, debit card and credit card	
Dependency:	<u>Extends</u> View Manage FAQ page <u>Is Extended By</u> None <u>Uses</u> Login	
Notes and Issues:	None	

4.3.10 Farm Machinery

Scope: This activity enables the actor to access the application for Farm Machinery

Use Case ID:	UC_SAP_067
Use Case Name:	Application for Farm Machinery

Actors:	Farmer / Citizen
Stake Holder:	Farmer / Citizen
Description:	This service aims at taking the actor to the Farm Machinery section
Trigger:	▪ Actor clicks on State Agriculture Portal → Farm Machinery

Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Farm Machinery section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Farm Machinery” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Farm Machinery” application
Alternative Flow:	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor’s internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.11 Weather and Agro met Advisory

Scope: This activity enables the actor to access the application for Weather Forecasting

Use Case ID:	UC_SAP_068
Use Case Name:	Weather and Agromet advisory

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Weather Forecasting section	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Weather and Agromet Advisory 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Weather and Agromet Advisory page is opened	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Weather Forecasting” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Weather Forecasting” application
Alternative Flow:	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable 	System Responses <ul style="list-style-type: none"> ▪ Standard internet message for URL not found

	<ul style="list-style-type: none"> ■ Clicks link but the actor's internet access has been temporarily disabled 	<ul style="list-style-type: none"> ■ Standard internet message for connection not found
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.11.1 Crop Weather

Scope: This activity enables the actor to access the section on Crop Weather

Use Case ID:	UC_SAP_069
Use Case Name:	Application for Crop Weather

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Crop Weather section	
Trigger:	<ul style="list-style-type: none"> ■ Actor clicks on Weather and Agromet Advisory → Crop Weather 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Crop Weather section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the "Crop Weather" link on Weather and Agromet Advisory section of SAP 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to "Crop Weather" page of Weather and Agromet Advisory section
Alternative Flow:	■	■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	

Special Requirements:	
Assumptions:	■
Dependency:	
Notes and Issues:	■

4.3.11.2 Flash season specific Information

Scope: This activity enables the system to flash season specific Information for crops

Use Case ID:	UC_SAP_070
Use Case Name:	Application to flash season specific Information

Actors:	System	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at displaying crop information relevant to the season/month	
Trigger:	■ System based trigger which runs based on season/month of crop	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Season specific display for crops	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the “Flash Season Specific Information” link on Weather and Agromet Advisory section of SAP 	System Responses <ul style="list-style-type: none"> ■ System displays information relevant to Crop for the season on this page of the Flash Season Specific Information of Weather and Agromet Advisory section.
Alternative Flow:	■	■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.12 Exports and Imports

Scope: This activity enables the actor to access the application for Exports & Imports

Use Case ID:	UC_SAP_071
Use Case Name:	Application for Exports and Imports

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Exports and Imports section	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Exports and Imports 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Import / Export section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Exports and Imports” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Exports and Imports” application
Alternative Flow:	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.13 Irrigation

Scope: This activity enables the actor to access the application for Irrigation

Use Case ID:	UC_SAP_072
Use Case Name:	Application for Irrigation

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Irrigation section	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Irrigation 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Irrigation section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Irrigation” link on home 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Irrigation” application

	page of SAP	
Alternative Flow:	■	■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.14 Drought Relief & Management

Scope: This activity enables the actor to access the application for Drought Relief & Management Information

Use Case ID:	UC_SAP_073
Use Case Name:	Application for Drought Relief & Management Information

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Drought Relief & Management section	
Trigger:	<ul style="list-style-type: none"> ■ Actor clicks on State Agriculture Portal → Drought Relief & Management 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Information for Drought Relief & Management section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the "Drought Relief & Management" link on home page of SAP 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to "Drought Relief & Management" page
Alternative Flow:	■	■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	<input type="checkbox"/>
Special Requirements:	
Assumptions:	<input type="checkbox"/>
Dependency:	
Notes and Issues:	<input type="checkbox"/>

4.3.15 Good Agricultural Practices

Scope: This activity enables the actor to access the application for Good Agricultural Practices

Use Case ID:	UC_SAP_074
Use Case Name:	Application for Good Agricultural Practices

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Good Agricultural Practices section	
Trigger:	<input type="checkbox"/> Actor clicks on State Agriculture Portal → Good Agricultural Practices	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Good Agricultural Practices section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> <input type="checkbox"/> Actor clicks on the “Good Agricultural Practices” link on home page SAP 	System Responses <ul style="list-style-type: none"> <input type="checkbox"/> Actor is redirected to “Good Agricultural Practices” application
Alternative Flow:	<input type="checkbox"/>	<input type="checkbox"/>
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> <input type="checkbox"/> Clicks link but the Service URL is unavailable <input type="checkbox"/> Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> <input type="checkbox"/> Standard internet message for URL not found <input type="checkbox"/> Standard internet message for connection not found
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<input type="checkbox"/>	
Special Requirements:		
Assumptions:	<input type="checkbox"/>	
Dependency:		

Notes and Issues:	<input type="checkbox"/>
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4.3.16 Fisheries

Scope: This activity enables the actor to access the application for Fisheries

Use Case ID:	UC_SAP_075
Use Case Name:	Application for Fisheries

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Fisheries section	
Trigger:	<input type="checkbox"/> Actor clicks on State Agriculture Portal → Fisheries	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Fisheries section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> <input type="checkbox"/> Actor clicks on the “Fisheries” link on home page of SAP 	System Responses <ul style="list-style-type: none"> <input type="checkbox"/> Actor is redirected to “Fisheries” application
Alternative Flow:	<input type="checkbox"/>	<input type="checkbox"/>
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> <input type="checkbox"/> Clicks link but the Service URL is unavailable <input type="checkbox"/> Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> <input type="checkbox"/> Standard internet message for URL not found <input type="checkbox"/> Standard internet message for connection not found
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<input type="checkbox"/>	
Special Requirements:		
Assumptions:	<input type="checkbox"/>	
Dependency:		
Notes and Issues:	<input type="checkbox"/>	

4.3.17 Livestock

Scope: This activity enables the actor to access the application for Livestock

Use Case ID:	UC_SAP_076
Use Case Name:	Application for Livestock

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Livestock section	
Trigger:	<input type="checkbox"/> Actor clicks on State Agriculture Portal → Livestock	
Pre conditions:	Actor should have opened the State Agriculture Portal	

Post conditions:	Application for Livestock section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the "Livestock" link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to "Livestock" application
Alternative Flow:	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.18 Prices and Arrivals

Scope: This activity enables the actor to access the Prices and Arrivals section of State Agriculture Portal

Use Case ID:	UC_SAP_077
Use Case Name:	Link to Prices and Arrivals

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Prices and Arrivals section of the SAP	
Trigger:	<ul style="list-style-type: none"> ▪ Actor selects Prices and Arrivals on home page of SAP 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Prices and Arrivals Section of the SAP opens	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the "Prices and Arrivals" link on State Agriculture Portal home page 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to "Prices and Arrivals" section
Alternative Flow:	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable 	System Responses <ul style="list-style-type: none"> ▪ Standard internet message for URL not found

	<ul style="list-style-type: none"> ■ Clicks link but the actor's internet access has been temporarily disabled 	<ul style="list-style-type: none"> ■ Standard internet message for connection not found
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.19 e-Market

Scope: This activity enables the actor to access the e-Market section of State Agriculture Portal

Use Case ID:	UC_SAP_078
Use Case Name:	Link to e-Market

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the e-Market section of the SAP	
Trigger:	<ul style="list-style-type: none"> ■ Actor selects e-Market on home page of SAP 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	e-Market Section of the SAP opens	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the "e-Market" link on State Agriculture Portal home page 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to "e-Market" section
Alternative Flow:	■	■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	

Business Rules:	<input type="checkbox"/>
Special Requirements:	
Assumptions:	<input type="checkbox"/>
Dependency:	
Notes and Issues:	<input type="checkbox"/>

4.3.20 Procurement Points

Scope: This activity enables the actor to access the Procurement Points section of State Agriculture Portal

Use Case ID:	UC_SAP_079
Use Case Name:	Link to Procurement Points

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Procurement Points section of the SAP	
Trigger:	<input type="checkbox"/> Actor selects Procurement Points on home page of SAP	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Procurement Points Section of the SAP opens	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> <input type="checkbox"/> Actor clicks on the “Procurement Points” link on State Agriculture Portal home page 	System Responses <ul style="list-style-type: none"> <input type="checkbox"/> Actor is redirected to “Procurement Points” section
Alternative Flow:	<input type="checkbox"/>	<input type="checkbox"/>
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> <input type="checkbox"/> Clicks link but the Service URL is unavailable <input type="checkbox"/> Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> <input type="checkbox"/> Standard internet message for URL not found <input type="checkbox"/> Standard internet message for connection not found
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<input type="checkbox"/>	
Special Requirements:		
Assumptions:	<input type="checkbox"/>	
Dependency:		
Notes and Issues:	<input type="checkbox"/>	

4.3.21 Training & Extension

Scope: This activity enables the actor to access the Training & Extension section of State Agriculture Portal

Use Case ID:	UC_SAP_080
Use Case Name:	Link to Training and Extension

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Training and Extension section of the SAP	
Trigger:	<ul style="list-style-type: none"> ▪ Actor selects Training and Extension on home page of SAP 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Training and Extension Section of the SAP opens	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Training and Extension” link on State Agriculture Portal home page 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Training and Extension” section
Alternative Flow:	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.22 Marketing Infrastructure

Scope: This activity enables the actor to access the Marketing Infrastructure section of State Agriculture Portal

Use Case ID:	UC_SAP_081
Use Case Name:	Link to Marketing Infrastructure

Actors:	Farmer / Citizen
Stake Holder:	Farmer / Citizen
Description:	This service aims at taking the actor to the Marketing Infrastructure section of the SAP
Trigger:	<ul style="list-style-type: none"> ▪ Actor selects Marketing Infrastructure on home page of SAP
Pre conditions:	Actor should have opened the State Agriculture Portal
Post conditions:	Marketing Infrastructure Section of the SAP opens
Input:	
Output:	

Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Marketing Infrastructure” link on State Agriculture Portal home page 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Marketing Infrastructure” section
Alternative Flow:	▪	▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	▪	
Special Requirements:		
Assumptions:	▪	
Dependency:		
Notes and Issues:	▪	

4.3.23 Monitoring Implementation

Scope: This activity enables the actor to access the Monitoring Implementation section of State Agriculture Portal

Use Case ID:	UC_SAP_082	
Use Case Name:	Link to Monitoring Implementation	
Actors:	State Department Users	
Stake Holder:	State Department Users	
Description:	This service aims at taking the actor to the Monitoring Implementation section of the SAP	
Trigger:	▪ Actor selects Monitoring Implementation on home page of SAP	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Monitoring Implementation Section of the SAP opens	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Monitoring Implementation” link on State Agriculture Portal home page 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Monitoring Implementation” section
Alternative Flow:	▪	▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable 	System Responses <ul style="list-style-type: none"> ▪ Standard internet message for URL not found

	<ul style="list-style-type: none"> ■ Clicks link but the actor's internet access has been temporarily disabled 	<ul style="list-style-type: none"> ■ Standard internet message for connection not found
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.24 Schemes & Programmes

Scope: This activity enables the actor to access the application for Schemes & Programmes

Use Case ID:	UC_SAP_083
Use Case Name:	Application for Schemes & Programmes

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Schemes & Programmes section	
Trigger:	<ul style="list-style-type: none"> ■ Actor clicks on State Agriculture Portal → Schemes & Programmes 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Schemes & Programmes section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the "Schemes & Programmes" link on home page of SAP 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to "Schemes & Programmes" application
Alternative Flow:	■	■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	

Special Requirements:	
Assumptions:	■
Dependency:	
Notes and Issues:	■

4.3.25 Awards

Scope: This activity enables the actor to access the application for Awards

Use Case ID:	UC_SAP_084	
Use Case Name:	Application for Awards	
Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Awards section	
Trigger:	■ Actor clicks on State Agriculture Portal → Awards	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Awards section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the “Awards” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to “Awards” application
Alternative Flow:	■	■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.26 Projects and Plans

Scope: This activity enables the actor to access the application for Projects and Plans

Use Case ID:	UC_SAP_085	
Use Case Name:	Application for Projects and Plans	
Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Project and Plans section	

Trigger:	■ Actor clicks on State Agriculture Portal → Projects and Plans	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Projects and Plans section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the “Projects and Plans” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to “Projects and Plans” application
Alternative Flow:	■	■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.27 Statistics

Scope: This activity enables the actor to access the application for Statistics

Use Case ID:	UC_SAP_086
Use Case Name:	Application for Statistics

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Statistics section	
Trigger:	■ Actor clicks on State Agriculture Portal → Statistics	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Statistics section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the “Statistics” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to “Statistics” application
Alternative Flow:	■	■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable 	System Responses <ul style="list-style-type: none"> ■ Standard internet message for URL not found

	<ul style="list-style-type: none"> ■ Clicks link but the actor's internet access has been temporarily disabled 	<ul style="list-style-type: none"> ■ Standard internet message for connection not found
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.28 Tenders

Scope: This activity enables the actor to access the application for submitting Tenders as and when required by State Dept. of Agriculture

Use Case ID:	UC_SAP_087
Use Case Name:	Application for Tenders

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Tenders section	
Trigger:	■ Actor clicks on State Agriculture Portal → Tenders	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Tenders section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the "Tenders" link on home page of SAP 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to "Tenders" application
Alternative Flow:	■	■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	

Business Rules:	<input type="checkbox"/>
Special Requirements:	
Assumptions:	<input type="checkbox"/>
Dependency:	
Notes and Issues:	<input type="checkbox"/>

4.3.29 Publication

Scope: This activity enables the actor to access the application for Publication

Use Case ID:	UC_SAP_088	
Use Case Name:	Application for Publication	
Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Publication section	
Trigger:	<input type="checkbox"/> Actor clicks on State Agriculture Portal → Publication	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Publication section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> <input type="checkbox"/> Actor clicks on the “Publication” link on home page of SAP 	System Responses <ul style="list-style-type: none"> <input type="checkbox"/> Actor is redirected to “Publication” application
Alternative Flow:	<input type="checkbox"/>	<input type="checkbox"/>
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> <input type="checkbox"/> Clicks link but the Service URL is unavailable <input type="checkbox"/> Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> <input type="checkbox"/> Standard internet message for URL not found <input type="checkbox"/> Standard internet message for connection not found
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<input type="checkbox"/>	
Special Requirements:		
Assumptions:	<input type="checkbox"/>	
Dependency:		
Notes and Issues:	<input type="checkbox"/>	

4.3.30 Facilities

Scope: This activity enables the actor to access the application for Facilities

Use Case ID:	UC_SAP_089
Use Case Name:	Application for Facilities
Actors:	Farmer / Citizen
Stake Holder:	Farmer / Citizen

Description:	This service aims at taking the actor to the Facilities section	
Trigger:	<input type="checkbox"/> Actor clicks on State Agriculture Portal → Facilities	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Facilities section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> <input type="checkbox"/> Actor clicks on the "Facilities" link on home page of SAP 	System Responses <ul style="list-style-type: none"> <input type="checkbox"/> Actor is redirected to "Facilities" application
Alternative Flow:	<input type="checkbox"/>	<input type="checkbox"/>
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> <input type="checkbox"/> Clicks link but the Service URL is unavailable <input type="checkbox"/> Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> <input type="checkbox"/> Standard internet message for URL not found <input type="checkbox"/> Standard internet message for connection not found
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<input type="checkbox"/>	
Special Requirements:		
Assumptions:	<input type="checkbox"/>	
Dependency:		
Notes and Issues:	<input type="checkbox"/>	

4.3.31 Technologies

Scope: This activity enables the actor to access the application for Technologies

Use Case ID:	UC_SAP_090
Use Case Name:	Application for Technologies

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Technologies section	
Trigger:	<input type="checkbox"/> Actor clicks on State Agriculture Portal → Technologies	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Technologies section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> <input type="checkbox"/> Actor clicks on the "Technologies" link on home page of SAP 	System Responses <ul style="list-style-type: none"> <input type="checkbox"/> Actor is redirected to "Technologies" application
Alternative Flow:	<input type="checkbox"/>	<input type="checkbox"/>
Exceptional Flow:	Actor Actions	System Responses

	<ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	<ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.32 Events

Scope: This activity enables the actor to access the application for Events

Use Case ID:	UC_SAP_091
Use Case Name:	Application for Events

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Events section	
Trigger:	<ul style="list-style-type: none"> ■ Actor clicks on State Agriculture Portal → Events 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Events section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the "Events" link on home page of SAP 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to "Events" application
Alternative Flow:	■	■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	

Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	<input checked="" type="checkbox"/>
Special Requirements:	
Assumptions:	<input checked="" type="checkbox"/>
Dependency:	
Notes and Issues:	<input checked="" type="checkbox"/>

4.3.33 Directories

Scope: This activity enables the actor to access the application for Directories

Use Case ID:	UC_SAP_092	
Use Case Name:	Application for Directories	
Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Directories section	
Trigger:	<input checked="" type="checkbox"/> Actor clicks on State Agriculture Portal → Directories	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Directories section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Actor clicks on the “Directories” link on home page of SAP 	System Responses <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Actor is redirected to “Directories” application
Alternative Flow:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Clicks link but the Service URL is unavailable <input checked="" type="checkbox"/> Clicks link but the actor’s internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Standard internet message for URL not found <input checked="" type="checkbox"/> Standard internet message for connection not found
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<input checked="" type="checkbox"/>	
Special Requirements:		
Assumptions:	<input checked="" type="checkbox"/>	
Dependency:		
Notes and Issues:	<input checked="" type="checkbox"/>	

4.3.34 Success Story

Scope: This activity enables the actor to access the application for Success Story

Use Case ID:	UC_SAP_093
Use Case Name:	Application for Success Story

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Success Story section	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Success Story 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Success Story section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Success Story” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Success Story” application
Alternative Flow:	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.35 Maps

Scope: This activity enables the actor to access the Maps application

Use Case ID:	UC_SAP_094
Use Case Name:	Application for MAPS

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for MAPS	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → MAPS 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for MAPS section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “MAPS” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “MAPS” application

	<ul style="list-style-type: none"> ▪ Actor selects any filter from options 	<ul style="list-style-type: none"> ▪ Map of India with filter options to select following <ul style="list-style-type: none"> • Crops • Topological Information • Weather • Seeds • Fertilizers • Pesticides ▪ Map of India with filter selected is displayed
Alternative Flow:	▪	▪
Exceptional Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	▪	
Special Requirements:		
Assumptions:	▪	
Dependency:		
Notes and Issues:	▪	

4.3.35.1 State Maps

Scope: This activity enables the actor to access the State Maps application

Use Case ID:	UC_SAP_095
Use Case Name:	Application for State Map

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for State Maps	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → MAPS → Any state 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for State Map section is loaded	
Input:		
Output:		
Normal Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Actor clicks on any state on the Map of India 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ Actor is redirected to "State Maps" application ▪ Map of State with selected filter is presented. (Refer Annexure) ▪ Option to change filter with

		<p>following options is provided</p> <ul style="list-style-type: none"> • Crops • Topological Information • Weather • Seeds • Fertilizers • Pesticides <p>▪ Map of State with filter selected is displayed</p>
Alternative Flow:	▪	▪
Exceptional Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	▪	
Special Requirements:		
Assumptions:	▪	
Dependency:		
Notes and Issues:	▪	

4.3.35.2 District Map

Scope: This activity enables the actor to access the District Maps application

Use Case ID:	UC_SAP_096
Use Case Name:	Application for District Maps

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for District Maps	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → MAPS → Any State → Any District 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for District maps section is loaded	
Input:		
Output:		
Normal Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Actor clicks on any district on the State Map 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ Actor is redirected to District Maps application ▪ Map of District with filter selected for state is displayed (Refer Annexure)

Alternative Flow:	▪	▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	▪	
Special Requirements:		
Assumptions:	▪	
Dependency:		
Notes and Issues:	▪	

4.3.36 Important Links

Scope: This activity enables the actor to access the application for Important Links

Use Case ID:	UC_SAP_097
Use Case Name:	Application for Important Links

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Important Links section	
Trigger:	▪ Actor clicks on State Agriculture Portal → Important Links	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Important Links section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the "Important Links" link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to "Important Links" application
Alternative Flow:	▪	▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	

Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	<input type="checkbox"/>
Special Requirements:	
Assumptions:	<input type="checkbox"/>
Dependency:	
Notes and Issues:	<input type="checkbox"/>

4.3.37 Download Forms

Scope: This activity enables the actor to download forms

Use Case ID:	UC_SAP_098
Use Case Name:	Application to download forms

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service enables the actor to download forms	
Trigger:	<input type="checkbox"/> Actor clicks on State Agriculture Portal → Download Forms	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	List of forms with download option is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> <input type="checkbox"/> Actor clicks on the “Download forms” link on home page of SAP 	System Responses <ul style="list-style-type: none"> <input type="checkbox"/> Actor is redirected to page with list of forms with download option
Alternative Flow:	<input type="checkbox"/>	<input type="checkbox"/>
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> <input type="checkbox"/> Clicks link but the Service URL is unavailable <input type="checkbox"/> Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> <input type="checkbox"/> Standard internet message for URL not found <input type="checkbox"/> Standard internet message for connection not found
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<input type="checkbox"/>	
Special Requirements:		
Assumptions:	<input type="checkbox"/>	
Dependency:		
Notes and Issues:	<input type="checkbox"/>	

4.3.38 FAQs

Scope: This activity enables the actor to access the application for Frequently Asked Questions

Use Case ID:	UC_SAP_099
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Use Case Name:	Application for Frequently Asked Questions (FAQ)	
Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the FAQ section	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Department of Agriculture → FAQ 	
Pre conditions:	Actor should have opened the State Agriculture Portal and accessed the Department of Agriculture application	
Post conditions:	Application for FAQ section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the "FAQ" link on home page of Department of Agriculture 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to "FAQ" application
Alternative Flow:	<ul style="list-style-type: none"> ▪ 	
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.39 Right to Information

Scope: This activity enables the actor to access the application for Right to Information

Use Case ID:	UC_SAP_100
Use Case Name:	Application for Right to Information

Actors:	Farmer / Citizen
Stake Holder:	Farmer / Citizen
Description:	This service aims at taking the actor to the Right to Information section
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Right to Information
Pre conditions:	Actor should have opened the State Agriculture Portal
Post conditions:	Application for Right to Information section is loaded
Input:	
Output:	

Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Right to Information” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Right to Information” application
Alternative Flow:	▪	▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor’s internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	▪	
Special Requirements:		
Assumptions:	▪	
Dependency:		
Notes and Issues:	▪	

4.3.40 Help

Scope: This activity enables the actor to access the application for Help

Use Case ID:	UC_SAP_101	
Use Case Name:	Application for Help	
Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Help section	
Trigger:	▪ Actor clicks on State Agriculture Portal → Help	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Help section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Help” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Help” application
Alternative Flow:	▪	▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor’s internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	■
Special Requirements:	
Assumptions:	■
Dependency:	
Notes and Issues:	■

4.3.41 What's New

Scope: This activity enables the actor to access the application for What's New

Use Case ID:	UC_SAP_102
Use Case Name:	Application for What's New

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the What's New section	
Trigger:	■ Actor clicks on State Agriculture Portal → What's New	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for What's New section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the "What's New" link on home page of SAP 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to "What's New" application
Alternative Flow:	■	■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.42 Feedback

Scope: This activity enables the actor to access the application for Feedback

Use Case ID:	UC_SAP_103
Use Case Name:	Application for Feedback

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Feedback section	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Feedback 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Feedback section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Feedback” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Feedback” application
Alternative Flow:	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.43 Search

Scope: This activity enables the actor to access the Search Application

Use Case ID:	UC_SAP_104
Use Case Name:	Application for Search

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for Search	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Search 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Search section is loaded	
Input:		

Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Search” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Search” application
Alternative Flow:	▪	▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor’s internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	▪	
Special Requirements:		
Assumptions:	▪	
Dependency:		
Notes and Issues:	▪	

4.3.44 Sitemap

Scope: This activity enables the actor to access the Sitemap Application

Use Case ID:	UC_SAP_105	
Use Case Name:	Application for Sitemap	
Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for Sitemap	
Trigger:	▪ Actor clicks on State Agriculture Portal → Sitemap	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Sitemap section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Sitemap” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Sitemap” application
Alternative Flow:	▪	▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor’s internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	■
Special Requirements:	
Assumptions:	■
Dependency:	
Notes and Issues:	■

4.3.45 Contact Us

Scope: This activity enables the actor to access the Contact Us Application

Use Case ID:	UC_SAP_106
Use Case Name:	Application for Contact Us

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for Contact Us	
Trigger:	■ Actor clicks on State Agriculture Portal → Contact Us	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Interface for Contact Us is loaded. When clicked on Submit, mail is sent to the e-mail id as provided in the system	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the “Contact Us” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to “Contact Us” page ■ Following fields of information is displayed <ul style="list-style-type: none"> • Address • Telephone No • E-mail address • Comments <p>(Address / telephone number and e-mail address retrieved from database)</p>
Alternative Flow:	■	■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	<input checked="" type="checkbox"/>
Special Requirements:	
Assumptions:	<input checked="" type="checkbox"/>
Dependency:	
Notes and Issues:	<input checked="" type="checkbox"/> .

4.3.46 Add to Favorites

Scope: This activity enables the actor to access the “Add to Favorites” Application

Use Case ID:	UC_SAP_107
Use Case Name:	Application for “Add to Favorites”

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application so that the page can be added to “Add to Favorites”	
Trigger:	<input checked="" type="checkbox"/> Actor clicks on State Agriculture Portal → any page → Add to Favorites	
Pre conditions:	Actor should have opened the State Agriculture Portal and accesses any page in the portal	
Post conditions:	Application for Add to Favorites is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Actor clicks on the “Add to Favorites” link on home page of SAP 	System Responses <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Actor is redirected to “Add to Favorites” application
Alternative Flow:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Clicks link but the Service URL is unavailable <input checked="" type="checkbox"/> Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Standard internet message for URL not found <input checked="" type="checkbox"/> Standard internet message for connection not found
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<input checked="" type="checkbox"/>	
Special Requirements:		
Assumptions:	<input checked="" type="checkbox"/>	
Dependency:		
Notes and Issues:	<input checked="" type="checkbox"/>	

4.3.47 Tell A Friend

Scope: This activity enables the actor to access the Tell A Friend Application

Use Case ID:	UC_SAP_108			
Use Case Name:	Application for “Tell a Friend”			
Actors: Farmer / Citizen				
Stake Holder: Farmer / Citizen				
Description: This service aims at taking the actor to application for Tell A Friend				
Trigger: <ul style="list-style-type: none">■ Actor clicks on State Agriculture Portal → Tell a Friend				
Pre conditions: Actor should have opened the State Agriculture Portal				
Post conditions: Interface for “Tell a Friend” section is loaded				
Input:				
Output:				
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the “Tell a Friend” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to “Tell a Friend” page. Following fields are displayed <ul style="list-style-type: none"> • E-mail id of friend • Subject • Body <p>The link of the page is mailed to the e-mail id provided. Validation for e-mail id.</p>		
Alternative Flow:	<ul style="list-style-type: none">■	<ul style="list-style-type: none">■		
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor’s internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High			
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent			
Business Rules:	<ul style="list-style-type: none">■			
Special Requirements:				
Assumptions:	<ul style="list-style-type: none">■			
Dependency:				
Notes and Issues:	<ul style="list-style-type: none">■			

4.3.48 Announcements

Scope: This activity enables the actor to access the Announcements Application

Use Case ID:	UC_SAP_109	
Use Case Name:	Application for Announcements	
Actors: Farmer / Citizen		

Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for Announcements	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Announcements or To be flashed on screen 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Announcements section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Announcements” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Announcements” application
Alternative Flow:	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.3.49 About This Portal

Scope: This activity enables the actor to access the About This Portal Application

Use Case ID:	UC_SAP_110
Use Case Name:	Application for “About This Portal”

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for “About This Portal”	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → About this Portal 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for “About this Portal” section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “About this Portal” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “About this Portal” page <p>Content is already managed and published for this page by authorized</p>

		users
Alternative Flow:	■	■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.50 Terms of Use

Scope: This activity enables the actor to access the "Terms of Use" Application

Use Case ID:	UC_SAP_111
Use Case Name:	Application for Terms of Use

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for "Terms of Use"	
Trigger:	<ul style="list-style-type: none"> ■ Actor clicks on State Agriculture Portal → Terms of Use 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for "Terms of Use" section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the "Terms of Use" link on home page of SAP 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to "Terms Of Use" application
Alternative Flow:	■	■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	<input checked="" type="checkbox"/>
Special Requirements:	
Assumptions:	<input checked="" type="checkbox"/>
Dependency:	
Notes and Issues:	<input checked="" type="checkbox"/>

4.3.51 Visitors Summary

Scope: This activity enables the actor to access the Visitors Summary Application

Use Case ID:	UC_SAP_112
Use Case Name:	Application for Visitors Summary

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for Visitors Summary	
Trigger:	<input checked="" type="checkbox"/> Actor clicks on State Agriculture Portal →Visitors Summary	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for “Visitors Summary” section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Actor clicks on the “Visitors Summary” link on home page of SAP 	System Responses <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Actor is redirected to “Visitors Summary” application
Alternative Flow:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Clicks link but the Service URL is unavailable <input checked="" type="checkbox"/> Clicks link but the actor’s internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Standard internet message for URL not found <input checked="" type="checkbox"/> Standard internet message for connection not found
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<input checked="" type="checkbox"/>	
Special Requirements:		
Assumptions:	<input checked="" type="checkbox"/>	
Dependency:		
Notes and Issues:	<input checked="" type="checkbox"/>	

4.3.52 News Letter

Scope: This activity enables the actor to access the News Letter Application

Use Case ID:	UC_SAP_113	
Use Case Name:	Application for News Letter	
Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for News Letter	
Trigger:	<ul style="list-style-type: none"> ■ Actor clicks on State Agriculture Portal → News Letter 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for News Letter section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the "News Letter" link on home page of SAP 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to "News Letter" application (Option to add/edit and delete Newsletter under Content Management System is to be provided)
Alternative Flow:	<ul style="list-style-type: none"> ■ 	<ul style="list-style-type: none"> ■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ■ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ■ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ■ 	

4.3.53 Press Media Coverage

Scope: This activity enables the actor to access the Press Media Coverage Application

Use Case ID:	UC_SAP_114	
Use Case Name:	Application for Press Media Coverage	

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for Press Media Coverage	
Trigger:	<ul style="list-style-type: none"> ■ Actor clicks on State Agriculture Portal → Press Media Coverage 	

Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Press Media Coverage section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Press Media Coverage” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Press Media Coverage” application
Alternative Flow:	<input type="checkbox"/>	<input type="checkbox"/>
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor’s internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<input type="checkbox"/>	
Special Requirements:		
Assumptions:	<input type="checkbox"/>	
Dependency:		
Notes and Issues:	<input type="checkbox"/>	

4.3.54 Accessibility Options

Scope: This activity enables the actor to access the Accessibility Options

Use Case ID:	UC_SAP_115
Use Case Name:	Application for Accessibility Options

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for Accessibility Options	
Trigger:	<input type="checkbox"/> Actor clicks on State Agriculture Portal → Accessibility Options	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Accessibility Options section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Accessibility Options” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Accessibility Options” application
Alternative Flow:	<input type="checkbox"/>	<input type="checkbox"/>
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor’s 	System Responses <ul style="list-style-type: none"> ▪ Standard internet message for URL not found ▪ Standard internet message for connection not found

	internet access has been temporarily disabled	connection not found
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<input type="checkbox"/>	
Special Requirements:		
Assumptions:	<input type="checkbox"/>	
Dependency:		
Notes and Issues:	<input type="checkbox"/>	

4.3.55 RSS

Scope: This activity enables the actor to access the RSS Application

Use Case ID:	UC_SAP_116
Use Case Name:	Application for RSS

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for RSS	
Trigger:	<input type="checkbox"/> Actor clicks on State Agriculture Portal → RSS	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for RSS section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> <input type="checkbox"/> Actor clicks on the “RSS” link on home page of SAP 	System Responses <ul style="list-style-type: none"> <input type="checkbox"/> Actor is redirected to “RSS” application
Alternative Flow:	<input type="checkbox"/>	<input type="checkbox"/>
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> <input type="checkbox"/> Clicks link but the Service URL is unavailable <input type="checkbox"/> Clicks link but the actor’s internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> <input type="checkbox"/> Standard internet message for URL not found <input type="checkbox"/> Standard internet message for connection not found
Includes: other use case id		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<input type="checkbox"/>	
Special Requirements:		
Assumptions:	<input type="checkbox"/>	

Dependency:	
Notes and Issues:	■

4.3.56 Select Theme

Scope: This activity enables the actor to access the Select Theme Application

Use Case ID:	UC_SAP_117
Use Case Name:	Application for Select Theme

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for Select Theme	
Trigger:	■ Actor clicks on State Agriculture Portal → Select Theme	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Select Theme section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ■ Actor clicks on the “Select Theme” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ■ Actor is redirected to “Select Theme” application
Alternative Flow:	■	■
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ■ Clicks link but the Service URL is unavailable ■ Clicks link but the actor’s internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ■ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	■	
Special Requirements:		
Assumptions:	■	
Dependency:		
Notes and Issues:	■	

4.3.57 Select Font

Scope: This activity enables the actor to access the Select Font Application

Use Case ID:	UC_SAP_118
Use Case Name:	Application for Select Font

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for Select Font	
Trigger:	■ Actor clicks on State Agriculture Portal → Select Font	

Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Select Font section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Select Font” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Select Font” application
Alternative Flow:	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
Exceptional Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Clicks link but the Service URL is unavailable ▪ Clicks link but the actor's internet access has been temporarily disabled 	System Responses <ul style="list-style-type: none"> ▪ 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	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		
Assumptions:	<ul style="list-style-type: none"> ▪ 	
Dependency:		
Notes and Issues:	<ul style="list-style-type: none"> ▪ 	

4.4 User Characteristics

The users of the State Agricultural Portal have been specified in section 3.1. The users of the State Agricultural Portal will be people with various technical & non-technical backgrounds. Application will be primarily used by the farmers, officials of Village Panchayats, Block Panchayats, District Panchayats, 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 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 programmes, however they are not very familiar with computer based applications. Accordingly, the SAP 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.

The user interface of the State Agricultural Portal will include radio buttons, tables, forms, pull-down menus, submit buttons, etc, all features that conform to W3C XHTML standard. Any user with a basic understanding of the Internet and knowledge about his/her browser software should be able to make use of all the available functionality of the portal.

1. The application will be an internet based application which will be designed, developed and centrally hosted in NIC's Data Centre.
2. The users will be accessing the software application using various connectivity scenarios.
3. As the application will be used by all the villages (no of villages), State Agriculture Departments (no of departments), Center and MoA, Government and Private Institutions, dealers, agencies, KCCs, the no. of application users and concurrent users will be very high as mentioned in non-Functional Requirements. The software has to take into account all sorts of communication environments and slow communication links as specified in Chapter 6. The software should also scale-up as per the requirements defined in Chapter 6.
4. The application will support only Unicode enabled fonts for local language representation.
5. The State Agriculture Portal will need to interoperate with other software applications which are being developed as part of Mission Mode Project including Central Agriculture Portal and State Agriculture Portal indicated in Non-Functional Requirements.
6. The State Agriculture Portal will be constrained by the minimum hardware specifications that are likely to be available in the production environment, the details of which are specified as part of Non-Functional Requirements in Chapter 6.
7. The stakeholder groups (farmers, private sector and the government) could use the proposed service delivery channels (CSC, Department, KCC, SCC, Private Kiosks, Mass Mobile, IVRS, Agri clinics and agri business centres) to initiate service requests; which would be processed by the Central and State Agriculture Portals (depending on the level of service request generation and processing location).

4.5 Assumptions and Dependencies

Common features including Login, Logout, Forgot password, Change Password, User management 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 the State Agriculture Portal would be interoperating will be crucial for smooth functioning.

It is assumed that the third party tools and applications software wherever required to fulfill the functionality of State Agriculture Portal 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.

4.6 Acceptance Criteria

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

4.7 General Constraints

It is an attempt to provide comprehensive, accurate, and reliable one stop source of information about India and its various facets. To achieve the main goal we need to follow various standard, guidelines and policy. The main guidelines and policies which are needed to be followed are:

- Guidelines for Indian Government Websites
- Content Contribution, Moderation and Approval Policy (to be formulated)
- Content Review Policy (to be formulated)
- Content Archival Policy (to be formulated)

4.8 Assumptions and Dependencies

The users must have a web browser that supports W3C XHTML and have a TCP/IP connection to the web server.

HTTP traffic must be possible on the network connection between the server and the client.

4.9 The State Agricultural Portal Content Management System

The Portal will be developed as a Mission Mode Project under the National e-Governance Plan of the Government. The objective behind the Portal is to provide a single window access to the information and services being provided by the Indian Government for the farmers and other stakeholders. An attempt has been made through this Portal to provide comprehensive, accurate, reliable and one stop source of information about India and its various facets.

The content which is very crucial to the success of this Portal will be the result of a collaborative effort of various Indian Government Ministries and line Departments as well as State Governments. The National portal coordinators, nominated by various Ministries/ Departments as well as State Governments will be contributing the Content to the portal as well as maintaining it through a simple web based Content Management Interface.

4.10 State Agricultural Portal Coordinators & Content Contributors

Classification	Stakeholder
Central Level	<ul style="list-style-type: none"> ○ Divisions of Department of Agriculture & Cooperation (DAC) ○ Directorate of Extension ○ Directorate of Marketing & Inspection (DMI) ○ Directorate of Plant Protection, Quarantine & Storage (DPPQS) ○ National Seeds Corporation (NSC) ○ Central Insecticides Board & Registration Committee (CIBRC) ○ Regional Plant Protection & Quarantine Station (RPPQS) ○ Central Insecticides Laboratory (CIL) ○ Central Fertilizer Quality Control & Training Institute (CFQCTI) ○ National Centre for Organic Farming (NCOF) ○ State Farm Corporation of India (SFCI) ○ National Seed Association of India (NSAI) ○ National Institute of Agriculture Extension & Management (MANAGE) ○ Fisheries Division, Department of Dairy and Animal Husbandry ○ Indian Meteorological Department (IMD) ○ Food Corporation of India (FCI) ○ Jute Corporation of India ○ Cotton Corporation of India ○ Indian Council for Agricultural Research (ICAR) ○ National Informatics Centre (NIC) ○ Kisan Call Centre
State Level	<ul style="list-style-type: none"> ○ Divisions of State Department of Agriculture ○ Central Integrated Pest Management Centres (CIPMC) ○ Locust Warning Organization (LWO) ○ State Seeds Corporation ○ State Seeds Certification Agency ○ State Indian Meteorological Department ○ Agro-Meteorological Forecasting Unit (AMFU) ○ State Warehouse Corporation ○ State Agriculture University (SAU) ○ Krishi Vigyan Kendra (KVK) ○ Extension Education Institutes ○ Regulated Marketing Committees (RMC) ○ State Agricultural Marketing Boards (SAMB) ○ Directorate of Fisheries ○ State Call Centres ○ ATIC Call Centres ○ Soil Testing Laboratories ○ Pesticide Testing Laboratories ○ Fertilizer Testing Laboratories ○ Seed Testing Laboratories
Others	<ul style="list-style-type: none"> ○ Multi Commodity Exchange of India ○ National Commodity & Derivates Exchange Limited ○ Private Sector Manufacturers, Wholesalers & Dealers ○ Importers and exporters of agriculture produce ○ Traders and Buyers ○ Agri Business Clinics & Centres

4.11 Content management System and Workflow Management

The CMS will be accessed at <http://Stateagriculturalportal.in>. The login screen will prompt the user for their userid and password to enable using the CMS modules. The User will be advised to change his/her password the first time he/she logs into the CMS.

4.12 Content Validity

Validity Up to field has to be incorporated in the entire interface. Content which does not expire i.e. perpetual, should allow the content contributor to put in the 10 years hence date. Only content like announcements will not be displayed on the portal after the expiry of the validity date. It is proposed to develop Reminder Module if so required with the following functionality.

The first Reminder will be issued to the content contributor along with the content two weeks prior to the validity date.

The second reminder will be sent along with the content 1 week prior to the validity date and then two days before the valid up to date to the final moderator to take decision whether, to show the content on portal or not.

4.13 Accessing Portal Content CMS

The home page of State Agricultural Portal - Portal Content will be accessible using named URL across the world to any user through Internet.

One should be able to navigate through the State Agricultural Portal - Portal Content Home page with or without mouse and Keyboard.

It will be supported across different Operating Systems and browser.

The home page of State Agricultural Portal - Portal Content will have normal login screen for the authorization of the content contributors and link to the State Agricultural Portal home page.

4.14 Logon to the State Agricultural Portal CMS

Structure of Home page of the State Agricultural Portal CMS will be like below:

- On the top of home page, there will be a graphic image across the width of home page signifying India's National Emblem, People, Culture, Heritage, and Progress etc. Link on the image will lead to State Agricultural Portal Home page.
- To facilitate content contribution and approval any authorized user can login through State Agricultural Portal - CMS home page.

4.15 Content Management System User Interface

Main Menu: After login into Content Management System, the page will consist of

- Welcome message to the user who logged in
- Contents Section- containing links to the contents listing and contributions
- Reference Documents section containing links to different documents related with State Agricultural Portal.

5. NON-FUNCTIONAL REQUIREMENTS

5.1 Performance Requirements

Performance is one of the major issues related with any Portal. It is suggested to use state of the art infrastructure for the best performance of the State Agricultural Portal as per the “Guidelines for Indian Government Websites”.

The maximum time for download of Home page of the State Agricultural Portal should be 10 sec when average 1000 number of users is accessing the portal simultaneously at modem speed of 64 Kbps.

The maximum time for download of other page of the State Agricultural Portal should be 25 sec with same condition as above. The maximum time for download of Search page of the State Agricultural Portal should be 30 sec with same condition as above. Maximum Number of hits served in an hour can be 1,50,000.

5.2 Design Constraints

Major portion of the portal is based on a set of design templates. The pages are to be designed for a screen resolution of 1024 X 768.

Home page:

This is the entry page of the portal and contains the links to all the modules of the portal. The home page template is unique and only applies to one page. The rest of the pages are based on a set of five design templates.

Design templates

Level 1 template: pages listing the major sub modules

Level 2 pages: pages containing the navigation of the sub modules up to the last level

Content pages: last level page that links the content present in the portal

External link window: the external sites open in this window

Search pages: Pages containing search functionality

Templates components

Main header: This establishes the government of India identity on the template and it is the same for all the templates.

Sub header: The sub header identifies the section or module of the portal

Navigation bar: This shows the path to the current level from the homepage technically known as breadcrumbs

Global Navigation: This contains the links to the major modules of the portal

Content area: The content area displays content according to the level of the template

Footer: Footer contains the links to the other sections on the same level in that module

Links to the Home, About the Portal, Site Map, Link to Us, Add to Favorites, Suggest to a Friend, Help, Terms of Use, Feedback, Design Copyright information

Related information: This contains banners and other related information

5.3 Standard Compliance

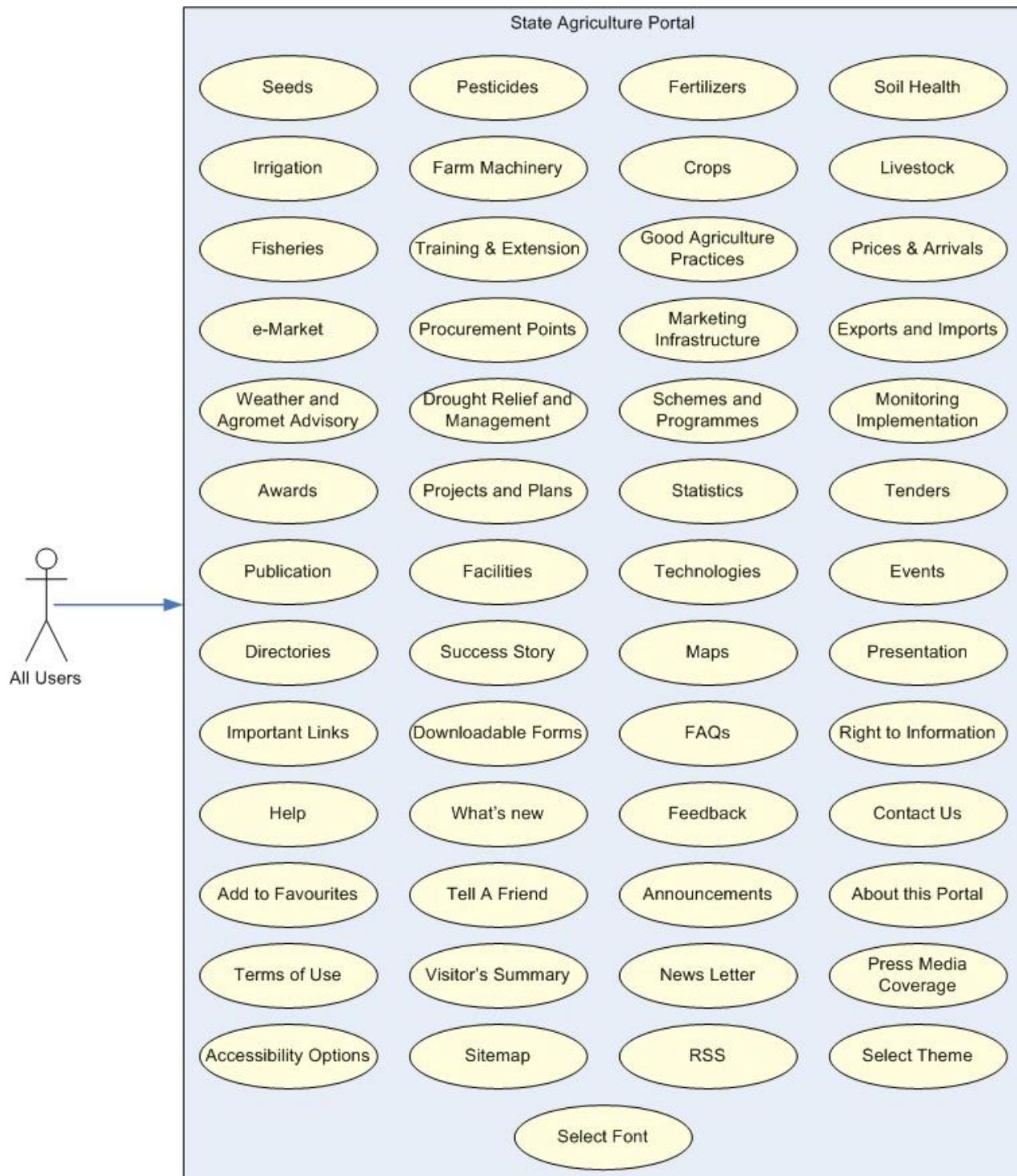
The State Agricultural Portal will be developed in compliance with the standard of “Guideline for Indian Government Websites”. The State Agricultural Portal must conform to W3c standard guidelines.

6. CONCLUSION

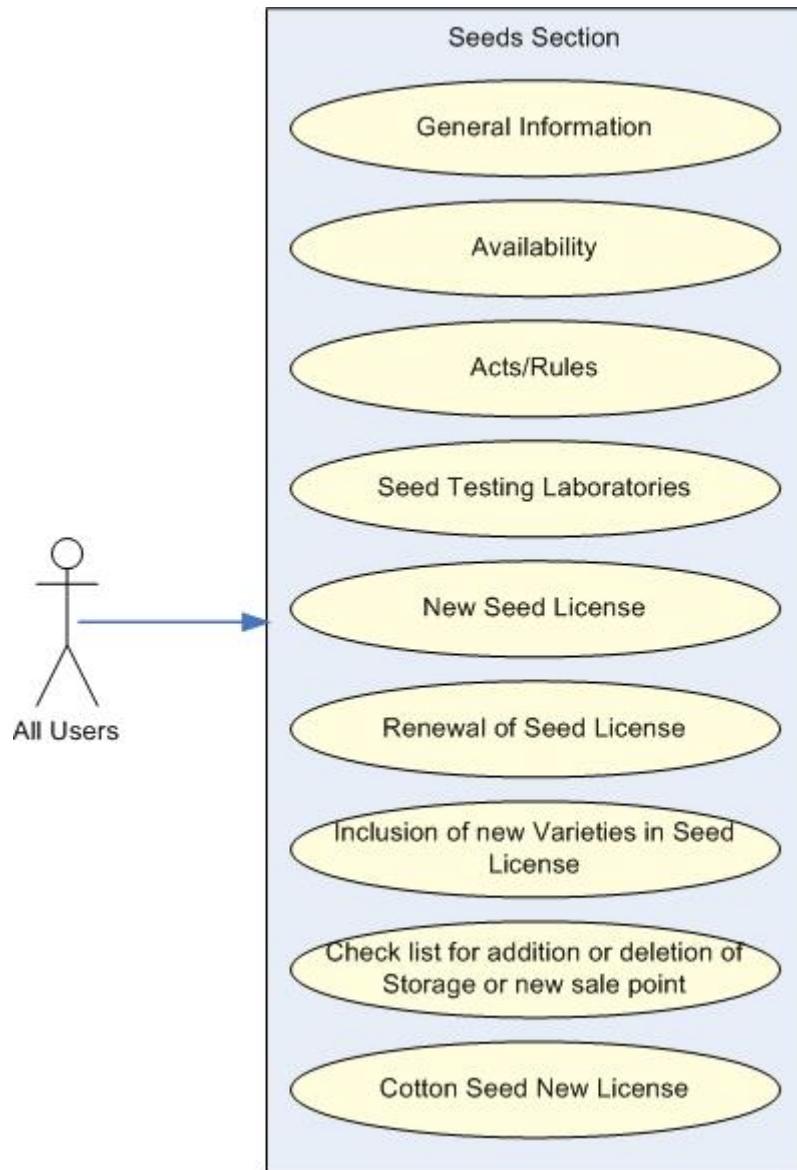
The success of the State Agricultural Portal lies in the efficient delivery of services to the farmers. In measuring efficiency it would be important to understand the processes within and outside the government framework. Private sector brings with it a large experience in providing services to the farming community at the field level; and the government brings an in-depth knowledge of the bottlenecks that it may face in delivery of the services. By creating a common platform for both public and private sector to assimilate their resources and create an exchange by means of which services can be provided to the farmers, would amount to a natural success of the proposed initiative.

ANNEXURE 1 – USE CASE DIAGRAMS

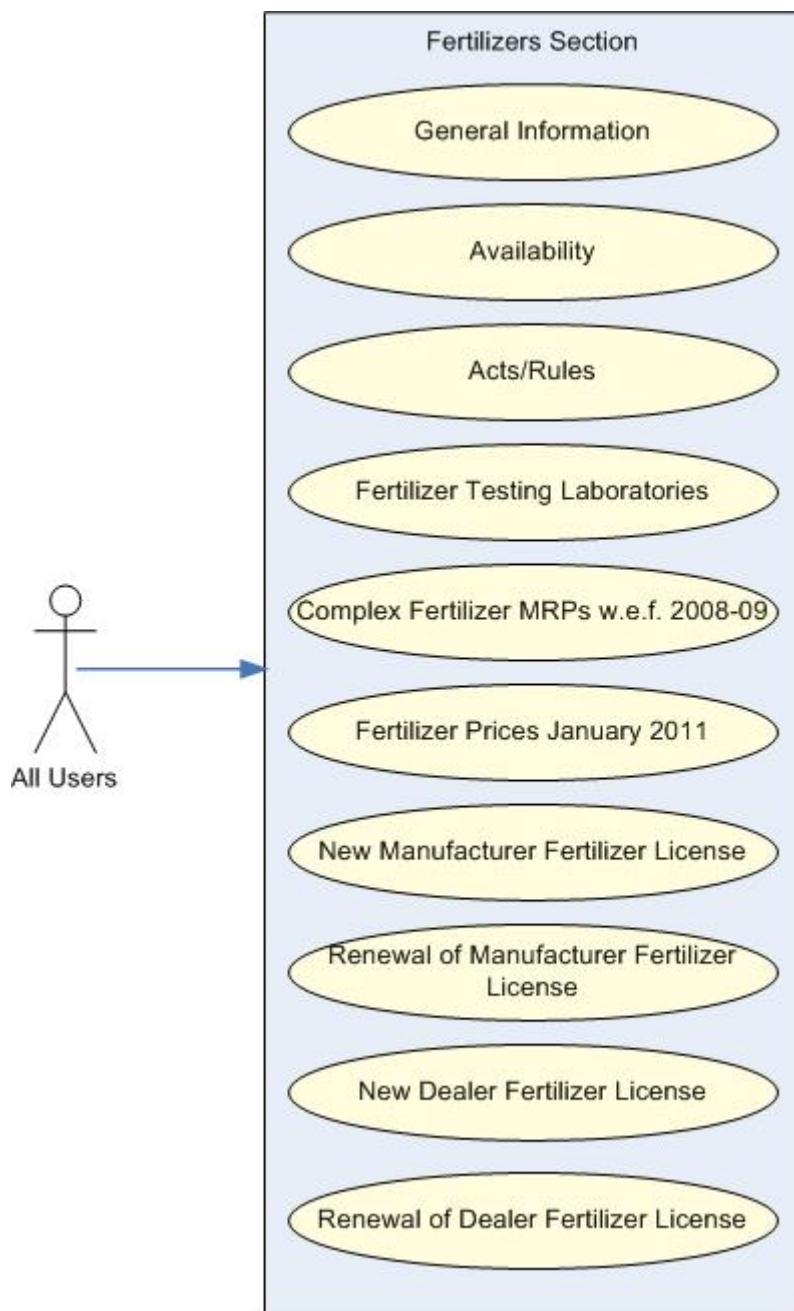
1. State Agriculture Portal



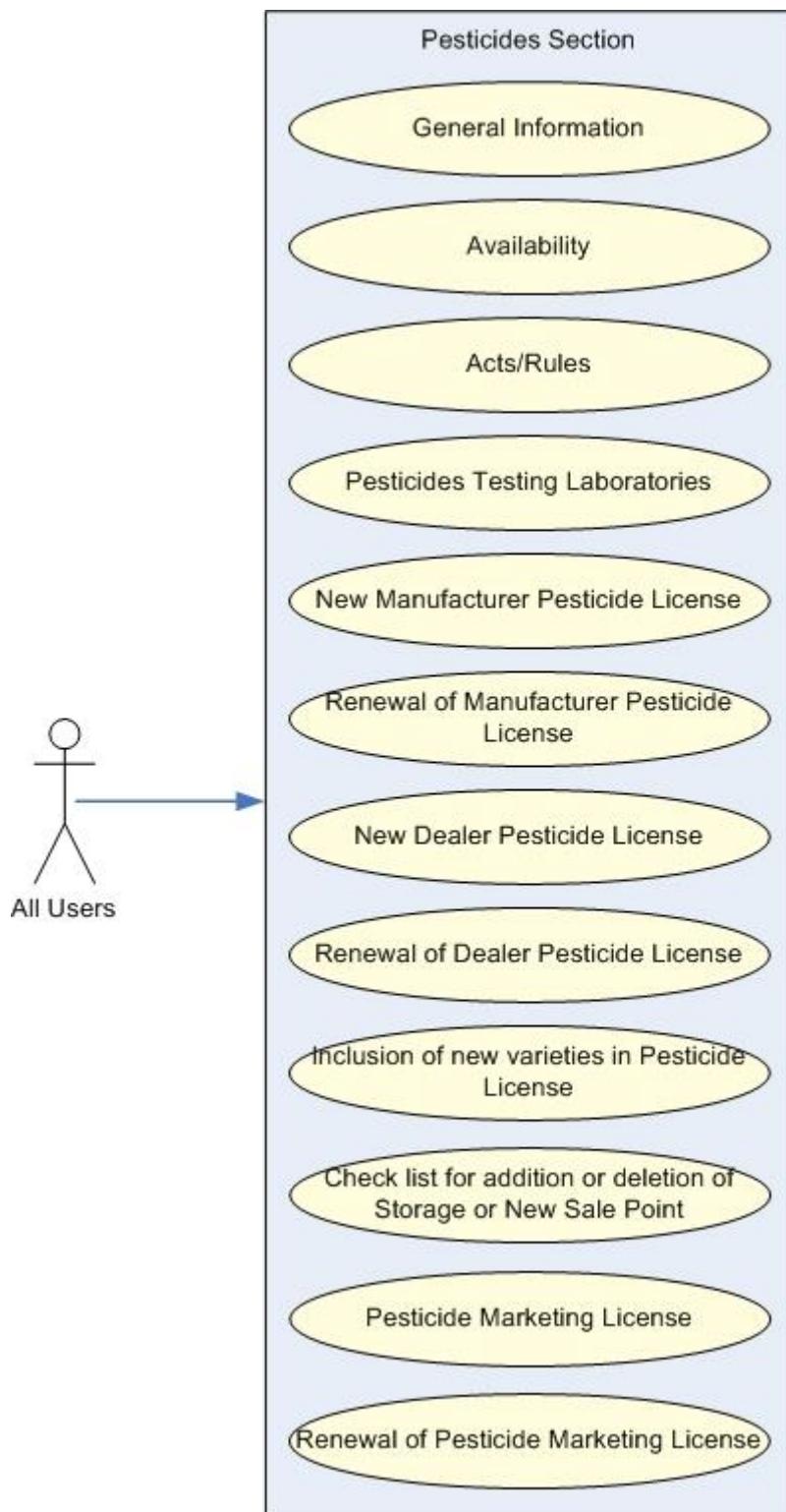
2. Seeds Section



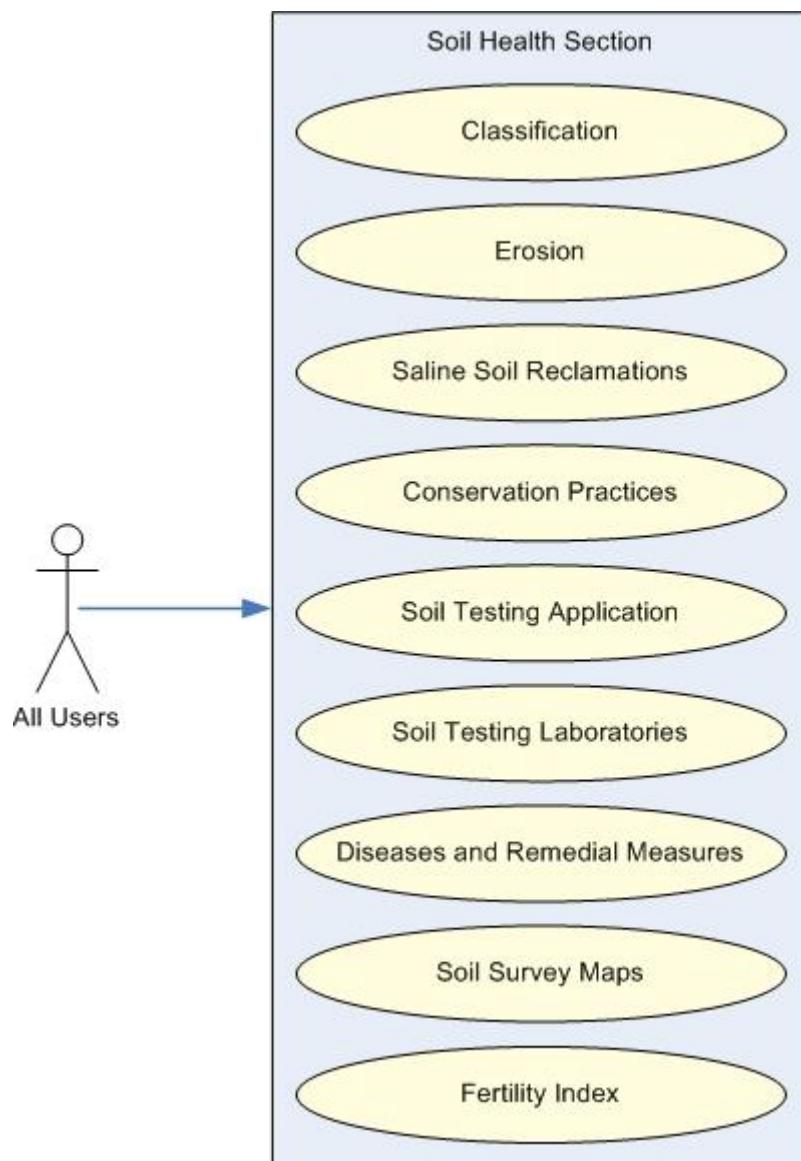
3. Fertilizers Section



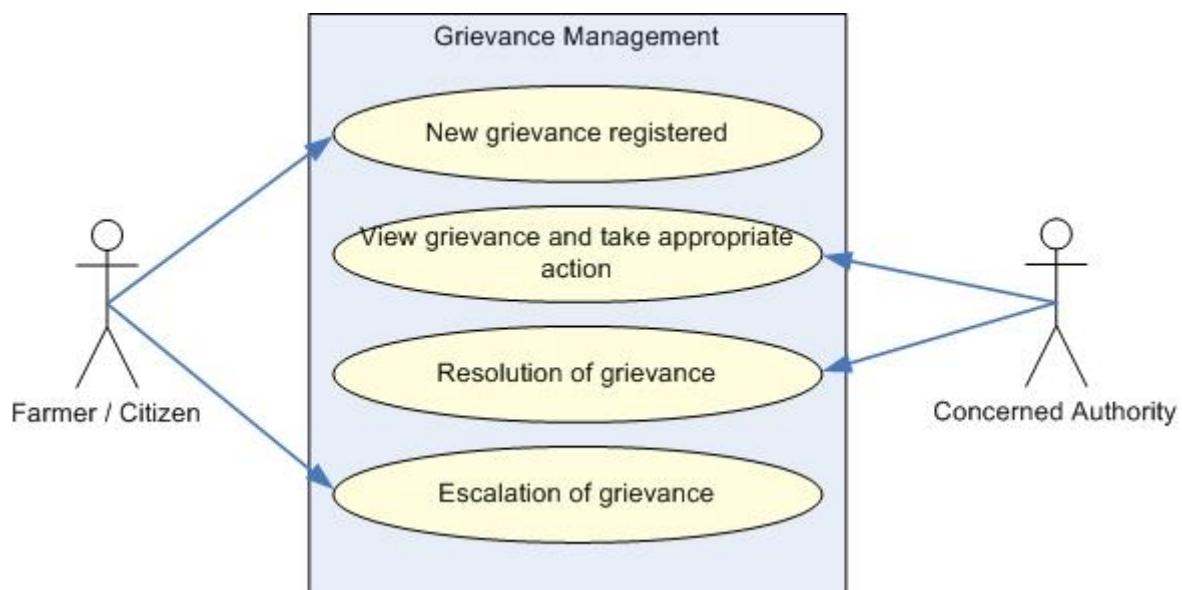
4. Pesticides Section



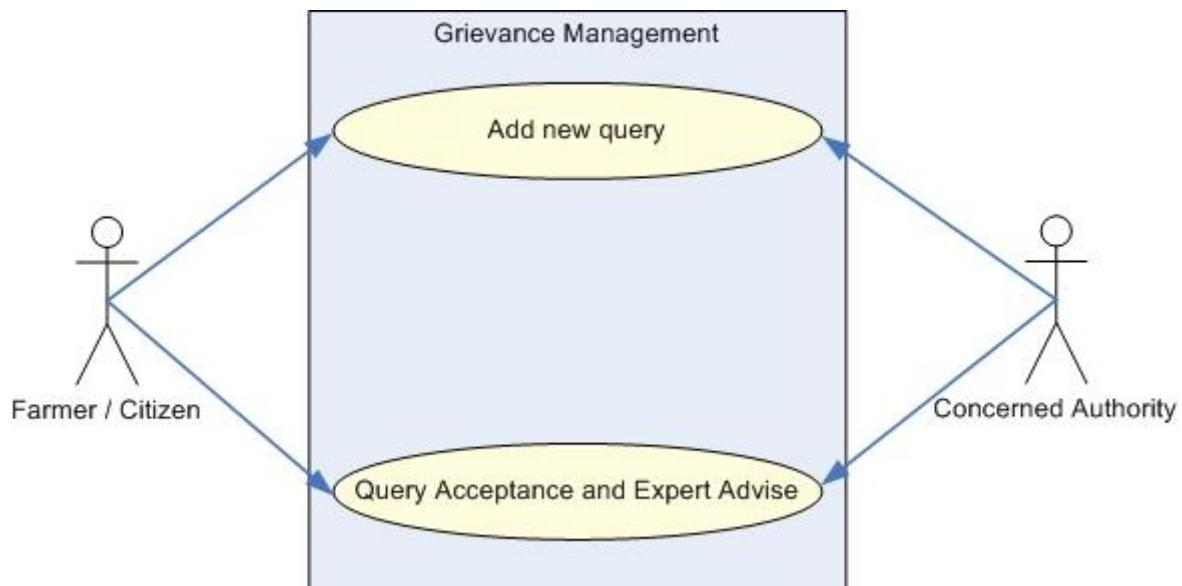
5. Soil Health Section



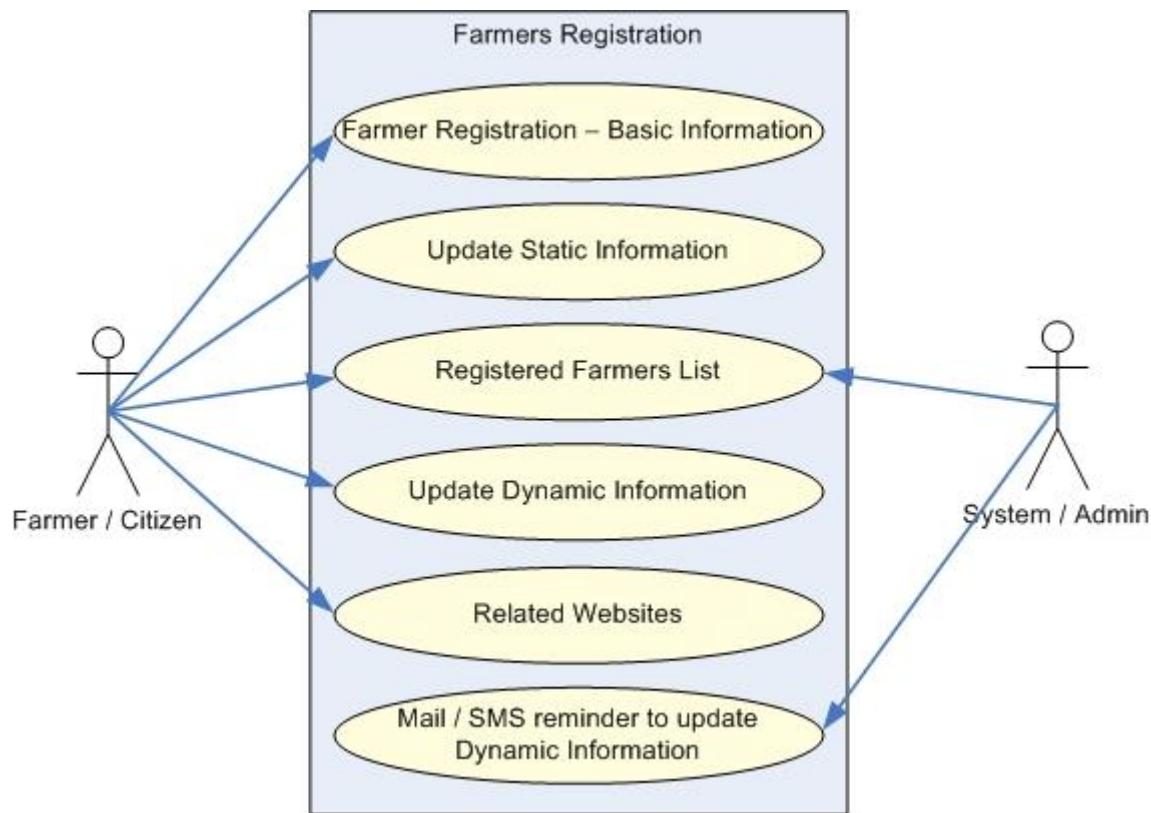
6. Grievance Management

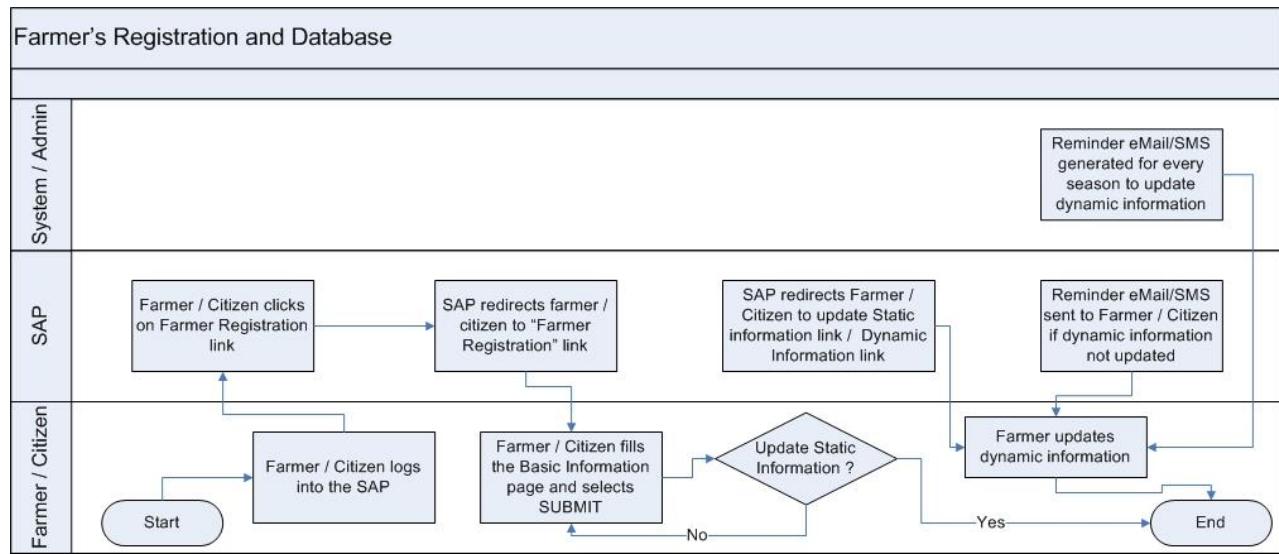


7. Expert Advisory



8. Farmer Registration



ANNEXURE 2 – FARMER'S DATABASE**Farmer Registration/Database Workflow****A. Minimum Required data elements (HCF)**

1. Farmer's detail
 - a. Name (First Name, Middle Name, Last Name)
 - b. Address (State, District, Block, Village, Pin Code (Link with Post database))
 - c. Phone - Landline
 - d. Mobile number
 - e. e-mail id
 - f. Farmer Type (Agricultural, Livestock, Fisherman)

B. Sum Total of Required data elements (LCM) for 360 degree view**a. Static Information**

1. Farmer's detail
 - a. Name (First Name, Middle Name, Last Name)
 - b. Address (State, District, Block, Village)
 - c. Phone - Landline
 - d. Mobile number
 - e. e-mail id
 - f. Farmer Type (Agricultural -Crop, Horticulture, Sericulture, Apiculture, Floriculture, Forestry etc., Livestock, Fisherman)
 - g. Farming Sub Category
 - i. Crop Farming-Rice, Maze, sugarcane etc.
 - ii. Fish farming-Trout, Lobsters etc.
 - iii. Horticulture Farming (Apple, Mango etc.)
 - h. Father's name
 - i. Mother's name
 - j. Gender
 - k. Age (Date of birth)
 - l. Marital status

- m. Photo
- n. Identification (Voter id, Ration Card, UID, Driving License, KCC No., NPR, Fishermen Biometric card etc.)(Integration with respective databases)
 - i. Personal Identification Mark
- o. Educational Qualification
 - i. Illiterate/Literate
 - ii. Non-Matric, Matric, graduate, post-graduate, Diploma, Other
 - iii. Field

2. Family details

- a. No. of family members (Dependent)
- b. Name(First Name, Middle Name, Last Name), Gender, Relationship with farmer, age, Educational qualification, whether employed, if yes, then income, photo

3. Farm details

- a. Land Holding details (Khasra No., Rakba, Rin Pustika No., Survey/subdivision number, Sub-Survey No. etc.) (Integration with Land Records)
- b. Farm Size (In Bigha/acres/Hectares/..) (Based on it automatic categorization as Landless Farmer(0 – 3 Bigha / 0 - 0.4 Hectares) , Marginal Farmer (3 – 7.5 Bigha / 0.4 – 1 Hectares), Small Farmer (7.5 – 15 Bighas / 1-2 hectares) , Big Farmer (More than 15 Bighas / More than 2.0 Hectarese)
- c. Soil type
- d. Land type - Irrigated/Rainfed/Dryland
- e. Irrigation Infrastructure available on farm (Wells, tube wells, drip irrigation, etc.)
- f. Type of Cultivation (Self / Lease / Share)
- g. Man Power for Farming Self / Hired Basis
- h. Type of area
 - i. Area under Nursery
 - ii. Area under vegetable crops
 - iii. Area under permanent crops
 - iv. Area under progeny orchard
 - v. Planting materials
 - vi. Tuber crops

4. Crop details

- a. Crops cycles
- b. Crops grown

5. Livestock details

- a. Number of animals owned
- b. Species, Animal, breed, age

6. Equipment details

- a. Name of equipment
- b. Number
- c. make

7. Source of agricultural Inputs

- a. Name and address of the dealer/agency (Seed, Fertilisers, Pesticides)

8. Markets accessed for produce
 - a. Name of the market and address

9. Bank details
 - a. Bank name
 - b. MICR No
 - c. IFSC Code
 - d. Branch Name and Code
 - e. Account Number
 - f. Loan as on date
 - g. Kisan Credit Card holder (Yes/No)

10. Insurance details
 - a. Name of the agency
 - b. Type of insurance
 - c. Insured on
 - d. Policy no
 - e. Date of maturity
 - f. Premium
 - g. Mode of payment

11. Family Economical Status
 - a. APL/BPL/AAY (Antyodaya Anna Yojana)
 - b. Annual Income
 - i. From farm
 - ii. From livestock
 - iii. From Fisheries
 - iv. From other activities (Specify)

12. Source of knowledge /Technical updating
 - a. State Agriculture Departments, KVK, SAU, ICAR, Helpline (toll free numbers), Meetings, Trainings/ Workshops, TV, Radio, SMS, progressive farmers, extension workers, etc.

13. Other
 - a. House (owned / rental) (Pakka / Kaccha)
 - b. Size of house (Sq. meters/feet)
 - c. Caste/ Category (SC/ST/BC/OBC/Gen)
 - d. Religion
 - e. Minority (Yes/No)
 - f. Membership in societies/ groups like PACS, Agricultural cooperatives, NGOs, SHGs etc.
 - i. Name of the agency
 - ii. Address details
 - iii. Membership number
 - iv. Date of issue
 - v. Date of validity

b. Dynamic Information to be filled every season

1. Year, Season (Rabbi/ Kharif)
2. Inputs

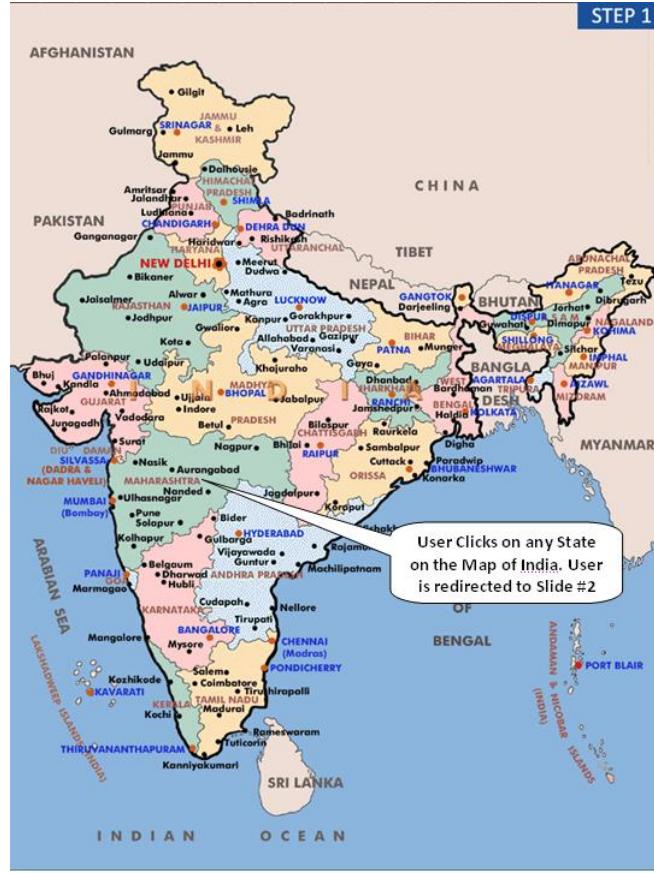
- a. Crop Sown
 - b. Area Sown
 - c. Variety used
 - d. Seeds used
 - e. Fertilisers used
 - f. Pest occurrence and pesticides used
 - g. Water sources used
 - h. Labour
 - i. Machinery used
3. Production, Income, Expenditure, Insurance
- a. Crop wise production
 - b. Crop wise income
 - c. Expenditure
 - d. Crop Insurance details
 - i. Name of the agency
 - ii. Type of insurance
 - iii. Insured on
 - iv. Policy no
 - v. Date of maturity
 - vi. Premium
 - vii. Mode of payment
4. Marketing
- a. Warehouse facility used
 - b. Processing facilities used
 - c. Markets

Integration with

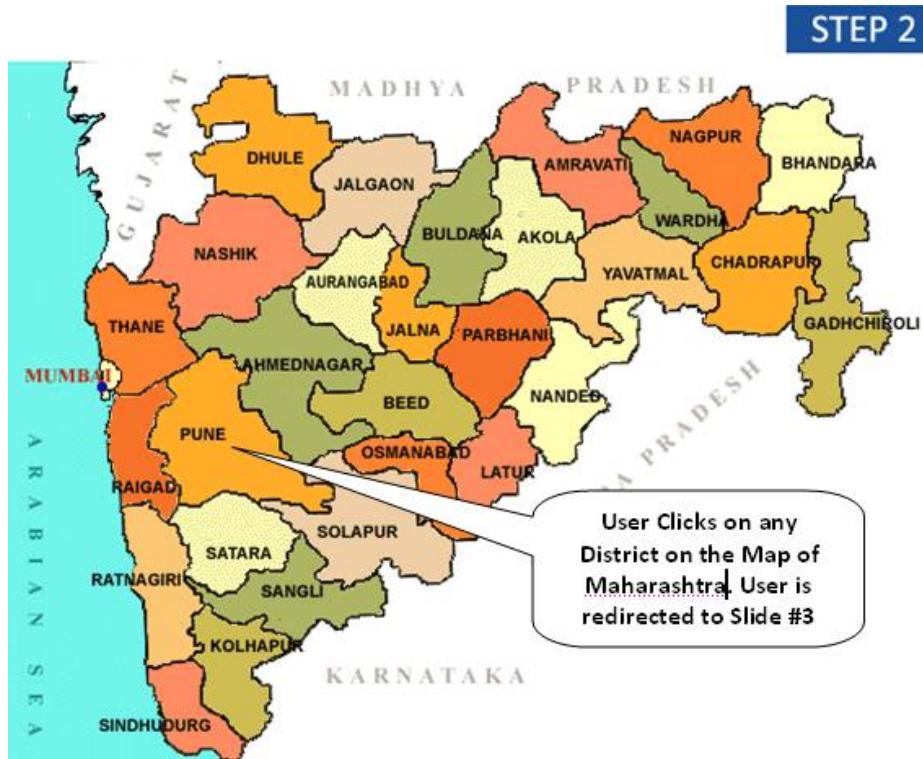
- 1. DMS database for National Dairy farmer database
- 2. National marine Fishermen database
- 3. Land Records database
- 4. NPR Register, UID database, Post database,

ANNEXURE 3 – MAPS APPLICATION – DRILL DOWN REPORT

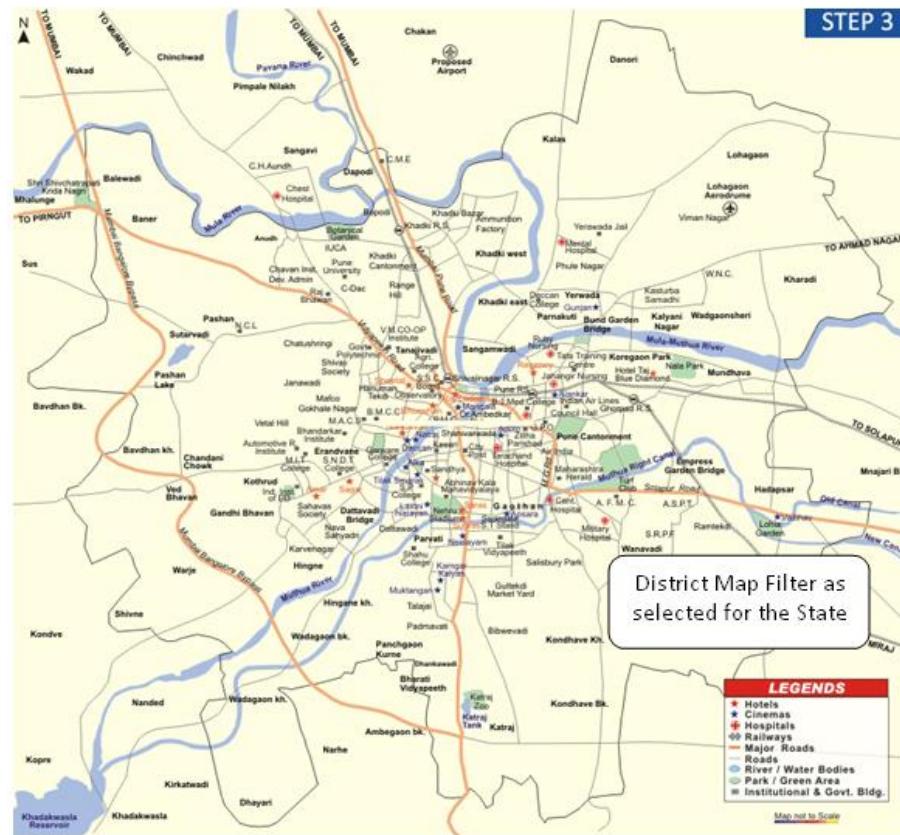
Map of India



State Map



District Map



I) Standards to be used

MDDS – Demographic (Person Identification and Land Region Codification) Standards by DIT.

ANNEXURE 4 – ANALYSIS OF FEW PROMINENT WEBSITES IN AGRICULTURAL SECTOR IN MAHARASHTRA

1. Department of Agriculture, Government of Maharashtra

<http://www.mahaagri.gov.in/>

Introduction

This is Official web site of Department of Agriculture, Government of Maharashtra.

Merits

- Site has elaborate information -
 - Acts/Rules for Seeds, Fertilizers, Insecticides- manufacturing, dealership, sale etc. For checking availability of these inputs, links with external sites like <http://seednet.nic.in> have been provided.
 - Directories of seed producers, fertilizers manufacturers, Insecticides manufacturers, etc.
 - Linkage with other web sites like <http://agmarknet.nic.in> for online market rates and APEDA (<http://www.apeda.gov.in>) for Exporters and Importer's information
 - Linkage with Rainfall Reporting and Analysis (<http://www.mahaagri.gov.in/rainfall/index.asp>)

Query based search facility is available to generate year wise and month wise District rainfall Report and Taluka Report. GIS MAPs depicting Taluka wise intensity of rainfall are available for current month and for progressive period.
 - Package of Practices (PoPs) on Crop Production, Grading Packing, Food Processing , Organic Farming , Bio-Technology, Green House , Tissue Culture, Integrated Crop Management etc are available **in local language Marathi** in pdf formats.
 - Soil conservation, Fertility index, Soil testing laboratories, water conservation
 - Schemes and Programs
- Site has facility for updation of information/external links etc at Department of Agriculture(DoA), Maharashtra, admin level
- Site has facility to add new features at Admin level. For e.g. Photo Gallery, Audio Spots, Video Spots, etc. These features are recently added as per DoA's perception.
- Widely publicized web address
- **SMS interface for expert advisory to Farmers** from authorized Government users through SMS (<http://www.mahaagrism.com/>)

De-merits

- Interface is complicated and difficult to navigate. It is difficult to get desired information.
- Site does not follow the recent trends, guidelines and accessibility standards
- Web site is not compatible with all browsers For e.g. Mozilla.

2. Maharashtra State Agricultural Marketing Board – <http://www.msamb.com>

Introduction

This is Official web site of Maharashtra State Agricultural Marketing Board

Merits

- Site provides latest market arrivals and prices of the agricultural commodities in Maharashtra
- Site has linkage with <http://agmarknet.nic.in> for prices prevalent in other states.
- Site is available in local language Marathi besides English
- Provides information on commodities available for export and domestic markets
- Provide information on Export Certification
- Provide information on Schemes available for Farmer's Market

De-Merits

- Site is not farmer friendly.
- No guidelines are available to receive market information through various delivery channels like SMS, etc.
- Site does not follow the recent trends, guidelines and accessibility standards

3. Maharashtra State Seed Corporation Ltd.

<http://www.mahabeej.com/>

Introduction

This website represents Maharashtra State Seeds Corporation Ltd. (Mahabeej), which is one of the largest and leading State Seeds Corporation. MAHABEEJ is primarily engaged in production, processing and marketing of seeds of more than 50 crops and 250 varieties and hybrids in almost all categories i.e. Cereals, Pulses, Oilseeds, Fibre Crops, Fodder, Green Manuring Crops and Hybrid Vegetables.

Merits

- Provides detail list of Seed products, their varieties and characteristics of these varieties.
- Provides information on Research and Development activities undertaken by Mahabeej.
- Provides information on Weather Report through link
<http://125.21.185.44/citywx/localwx.php>

De-Merits

- Information is static and not in searchable form.
- Information is available only in English

4. The Maharashtra Agro Industries Development Corporation Ltd(MAID)

<http://www.maidcmumbai.com/>

Introduction

The website represents Maharashtra Agro Industries Development Corporation Ltd (MAIDC). It was founded in 1965 to promote Modernization of the Agro sector through mechanization.

Merits

- Website provides Static Information on Fertilizers, Pesticides, Agro-Engineering Products, Animal Feeds products of MAIDC, Projects like Food Park of MAIDC and MFPI(Ministry of Food Processing Industries) Schemes.

De-merits

- Information is static with brief description
- Information is available only in English

5. Maharashtra State Warehousing Corporation

<http://www.mswarehousing.com/english/>

Introduction

This website represents Maharashtra State Warehousing Corporation.

Merits

- Provide information about Services, Administrative Setup, Warehouse Tariff, Regional Offices, Tender etc.
- Local Language version of the website is available
- Provision to send online enquiry about the storage requirement

De-merits

- Information is static and not in searchable format.
- Contact details of the warehouses (Phone, email, postal address) are not available
- No real time information available on occupancy status of the warehouses at any point of time

6. Website of Dr Balasaheb Sawant Konkan Krishi Vidyapeeth

<http://www.dbskkv.org>

Introduction

This website represents Dr. Balasaheb Sawant Konkan Krishi Vidypeeth. It is having jurisdiction of five district of Maharashtra viz.Brihan-Mumbai, Thane, Raigad, Ratnagiri & Sindhudurg districts of Maharashtra state.

Merits

- The major activities of the university are agricultural education, research and extension to attain the sustainable agricultural development. Website gives information about these activities of the University.
- Agro- met advisory are available in English as well as in local language Marathi for the districts under jurisdiction of the University.
- Digital library to access research papers and books are available in student link

De-Merits

- Only static information is available about extension activities.

7. Website of Dr Panjabrao Deshmukh Krishi Vidyapeet

<http://www.pdkv.ac.in/>

Introduction

This is website of Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola. The jurisdiction of this university is spread over the eleven districts of Vidarbha. The University is entrusted with the responsibility of agricultural education, research and extension education alongwith breeder and foundation seed programme.

Merits

- The detail information on “Crop Management strategy under aberrant weather conditions” is available under Agro Advisory link.
- Under e-Pest Surveillance, searchable Taluka level advisories are available for management of pests.
- Addresses, contact information, information on services provided by KVKS is available

De-Merits

- Information is not available in local language

8. Website of Mahatma Phule Krishi Vidyapeeth

<http://mpkv.mah.nic.in>

Introduction

This website represents Mahatma Phule Krishi Vidyapeeth (MPKV), Rahuri.

Merits

- Website is having Research Database under “Agriculture Research Information System”
- Website provides agro-met advisory under weather bulletins
- Providing information on Central Farm maintained by University for providing research facility to students in agriculture, agricultural engineering and forestry

De-Merits

- Some of the links for e.g. Seed Cell are not working. Few links are not having proper redirection.
- Content is not well organised. There is no clear distinction of the information administration wise, student wise, faculty wise and farmer wise

9. Maharashtra Animal and Fishery Sciences University

<http://www.mafsu.in>

Introduction

This is website of Maharashtra Animal and Fishery Sciences University (**MAFSU**).

Merits

- It is the site of only university in Animal Husbandry and Fishery Sciences

De-Merits

- Links provided for facilities, Research Projects and Extension Projects are not working
- No information available expert advisory services and extension activities taken up by University in with respect to Animal Husbandry and Fisheries sector.

10. Website of Department of Animal Husbandry, Government of Maharashtra

<http://ahd.maharashtra.gov.in/>

Introduction

This website is the official website of the Department of Animal Husbandry, Maharashtra State.

Merits

- The site is comprehensive and contains detail information about Animal Husbandry sector in Maharashtra state.
- The information available can be categorised as follows -
 - About Department, Acts & Rules, Performance, Budget, Annual Reports, RTI, Circulars, G.R.s and Guidelines
 - Online Recruitment, tenders, Latest News
 - Schemes, Policies
 - Medicine Test Reports
 - Links to (i)Institute of Veterinary Biological Products (IVBP) for Vaccines related information; (ii)Disease Investigation Section (DIS) for Disease related information, technical bulletins, Disease alerts and forecasting about diseases in Maharashtra State, outbreak reports; (iii) Maharashtra Livestock Development Board (MLDB); (iv) Sheep and Goat corporation for sheep and goat population, breeds, management and other information in sector (v) Poultry development – Leaflets, breeds etc. (vi) Maharashtra Animal and Fisheries Sciences University, (vii) Maharashtra Agriculture Competitiveness Project
 - Statistical data, Sample Survey Data, Livestock Census – searchable information under District at a Glance

- List of beneficiaries
- Extension programs, Training Centres
- Photo Gallery, Informative videos in Marathi
- Site is available in English as well as in local language Marathi

De-Merits

- List of beneficiaries is available in Excel and pdf formats. It may be made available in searchable format for de-duplication of the beneficiaries under same or various schemes.
- Provision for downloading forms in pdf format is available. However, no provision for online submission of forms, workflows for online processing these applications, checking status of the applications online.

11. Website of Department of Fisheries, Government of Maharashtra

<http://fisheries.maharashtra.gov.in/>

Introduction

This website is the official website of the Department of Fisheries, Maharashtra State.

Merits

- The site is comprehensive and contains detail information about fisheries sector in Maharashtra state. The information available can be categorised as follows -
 - About Department, Acts & Rules, Budget, Annual Reports, RTI, G.R. & Circulars
 - Schemes & Programs, Policies, Development Packages
 - Fisheries Resources, Infrastructure available
 - Fisheries statistics, Fisheries Seed Centres
 - Disaster Management
 - Extension programs, Training Centres, Photo Gallery
- Site is available in English as well as in local language Marathi

De-Merits

- Lacks information on best practices in Fisheries, Fish diseases, alerts and warnings for fishermen instead of only external linkage to India Disaster Resource Network, National Disaster Management, Ministry of Home affairs (<http://www.idrn.gov.in/>) and static information on disaster management