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 Ministry of Agriculture
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NeGP

AGRICULTURE

EMPOWERING FARMERS

Himachal Pradesh - 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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1. INTRODUCTION

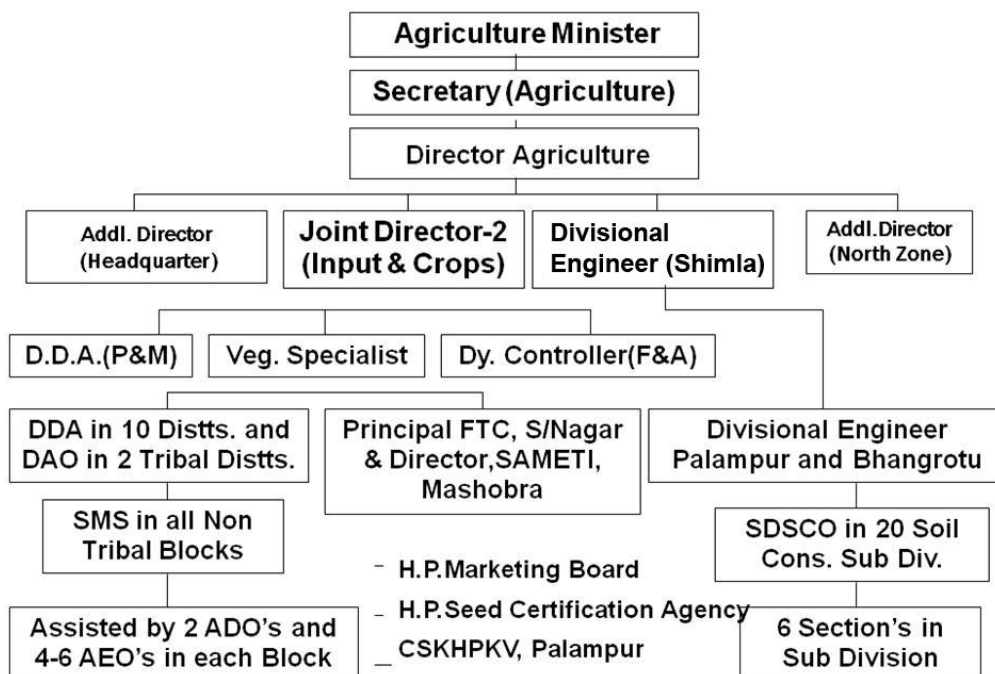
1.1 Preface

About Department – A Background

Himachal Pradesh is predominantly an agricultural State where Agriculture, Horticulture, Fisheries and Animal Husbandry provide direct employment to about 71 percent of the total population. The Agriculture Sector contributes nearly 30 percent of the total state domestic product. These Departments are dedicated to serve the farming community by implementing various Developmental Programmes and disseminating the relevant technology to increase productivity, production and profitability of field crops. The natural endowments like soil, land, water etc. are being harnessed in such a way that cherished goals of ecological sustainability, economic upliftment of farming community are achieved. About 18-20% area is irrigated and rest is rain fed.

Department of Agriculture: The Department of Agriculture was established in the year 1948. In 1950, it was merged with Forest Department. The Department started functioning independently in the year 1952. In 1970, Horticulture was carved out of the Department of Agriculture and separate Department of Horticulture was established. The agriculture research was also taken out from Agriculture Department and was assigned to Agriculture Complex now Agriculture University, Palampur. The Department of Agriculture is therefore now concentrating on agriculture production and soil water conservation.

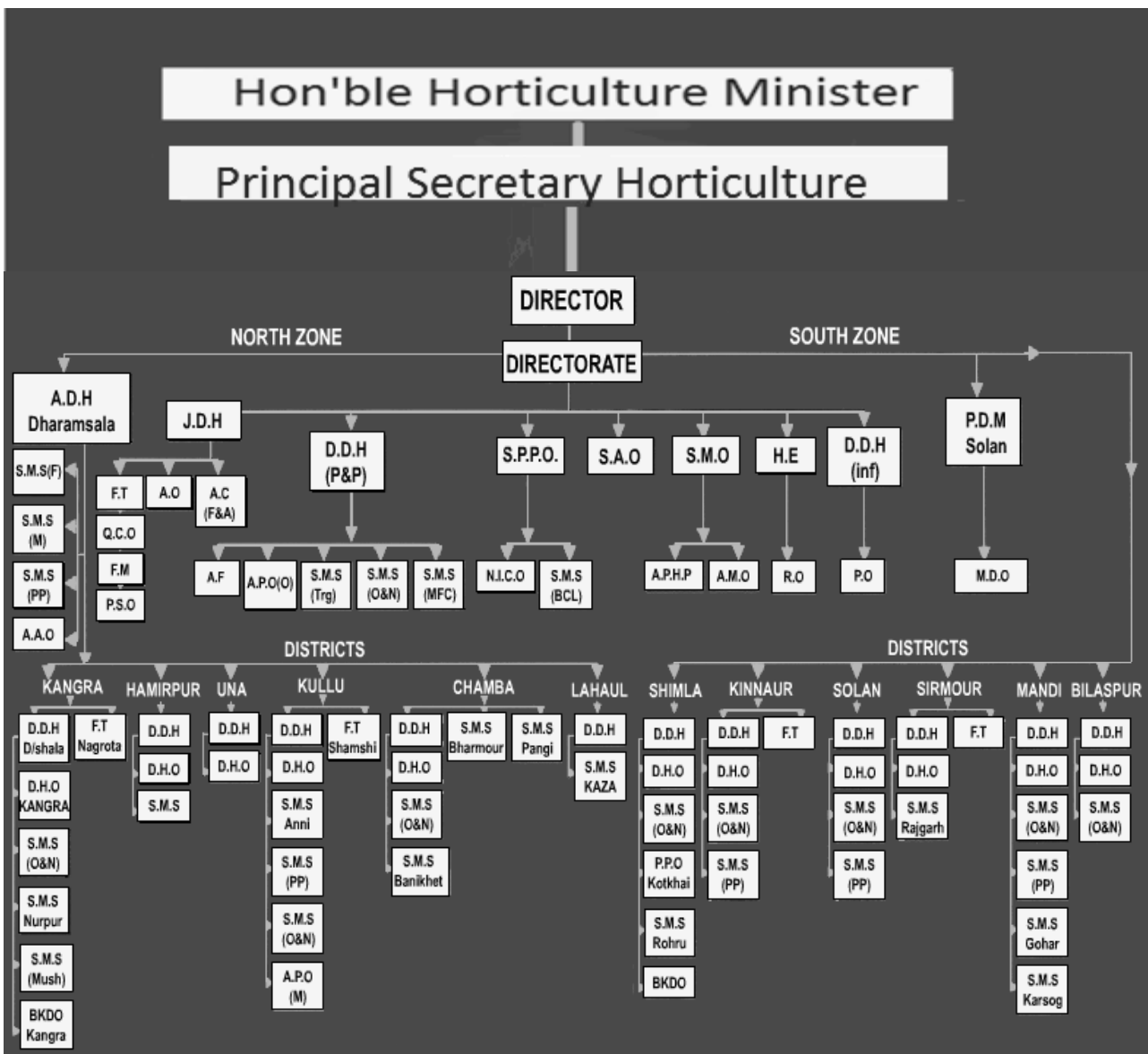
Administrative Setup of Department of Agriculture in Himachal Pradesh:



Horticulture: The State Department of Horticulture functions with the objective of building a prosperous Himachal through scientific development of horticulture by harnessing the natural resources for the development of a sustainable system of agriculture in the hilly areas.

The Department came into existence in September 1970. The pragmatic policies for the development of horticulture of the State Government combined with their adoption by the farmers have resulted in transformation of the horticulture industry of Himachal Pradesh. The State has earned the distinction of being the "Apple State of India".

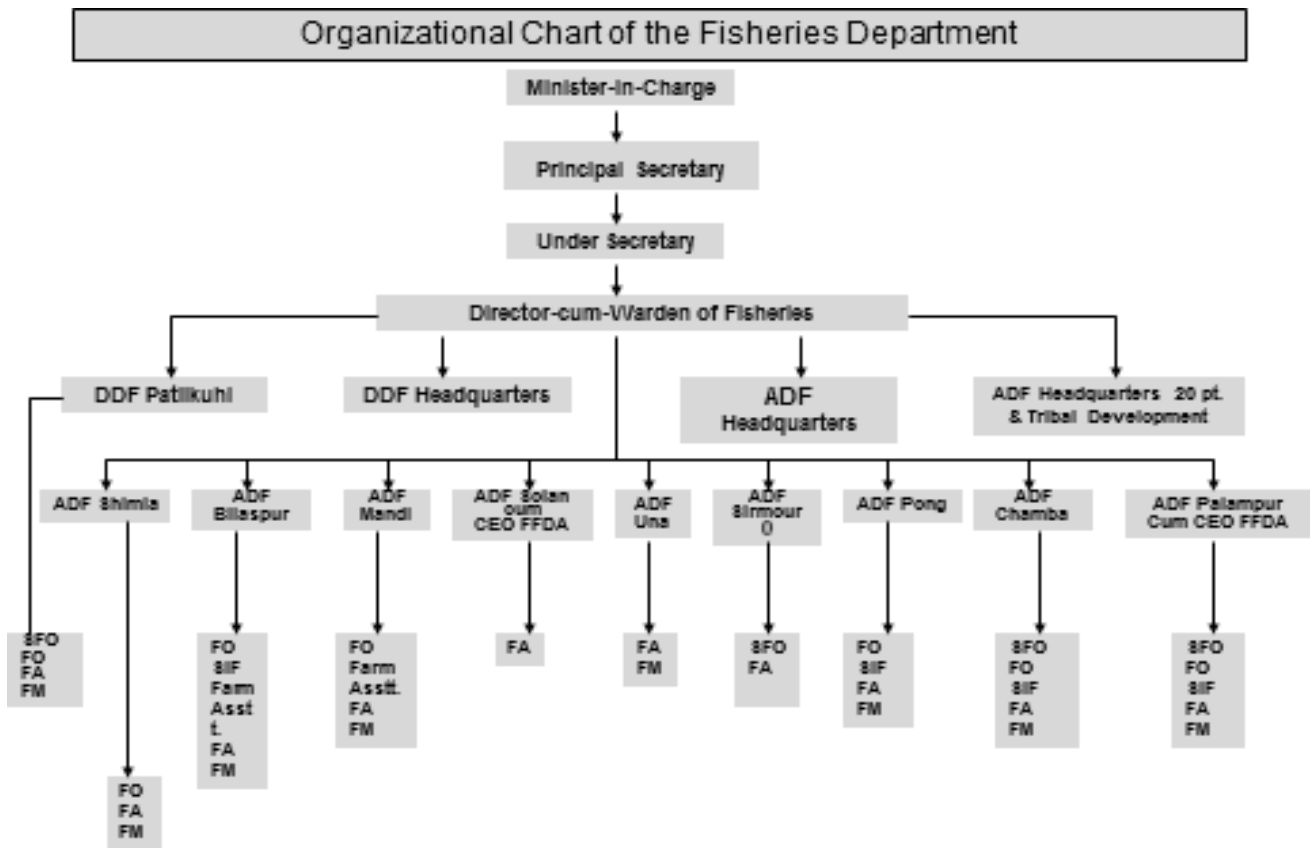
Administrative Setup of Department of Horticulture in Himachal Pradesh:



Fisheries: In Pursuance to a recommendation made by Fisheries Development Advisor to Government of India, the Fisheries Department in Himachal Pradesh was created during August 1950 as a wing of Forest Department headed by Deputy Warden of Fisheries. The main activities envisaged for the department was conservation of riverine fisheries, production and protection of sport fisheries, issuing of licenses, breeding and production of trout seed, their plantation in rivers & streams for augmentation of riverine stock. The plan outlay of the department received a big boost during 10th & 11th plan period. Commercial trout farming which was a distant dream in early eighties became a reality when the technology was disseminated to the rural youths of Kullu, Mandi, Chamba and Shimla districts. Himachal became the first state to popularize the trout farming in private sector.

The Fisheries Department has been set up with following mandate:

1. To increase fish production in the State by judicious management of all the culturable water resources;
2. To develop reservoir fishery of the State with an aim to increase per hectare production from the open impoundments;
3. To undertake breeding programme of Indian and exotic Carps, Mahseer, Trouts and other sub-temperate species for augmenting the seed stocking programme in reservoirs, river and streams; and tributaries;
4. To protect and conserve reservoir and lacustrine fisheries resources of the state;
5. To promote game fishery in the state with particular emphasis on promotion of Tourism;
6. To promote commercial farming of Rainbow Trout in the high altitude areas;
7. To promote aquaculture in the state by providing technical and financial assistance to the fishermen and rural youths;
8. To generate employment opportunities in the fishery sector and ameliorating the condition of fishermen of the state.



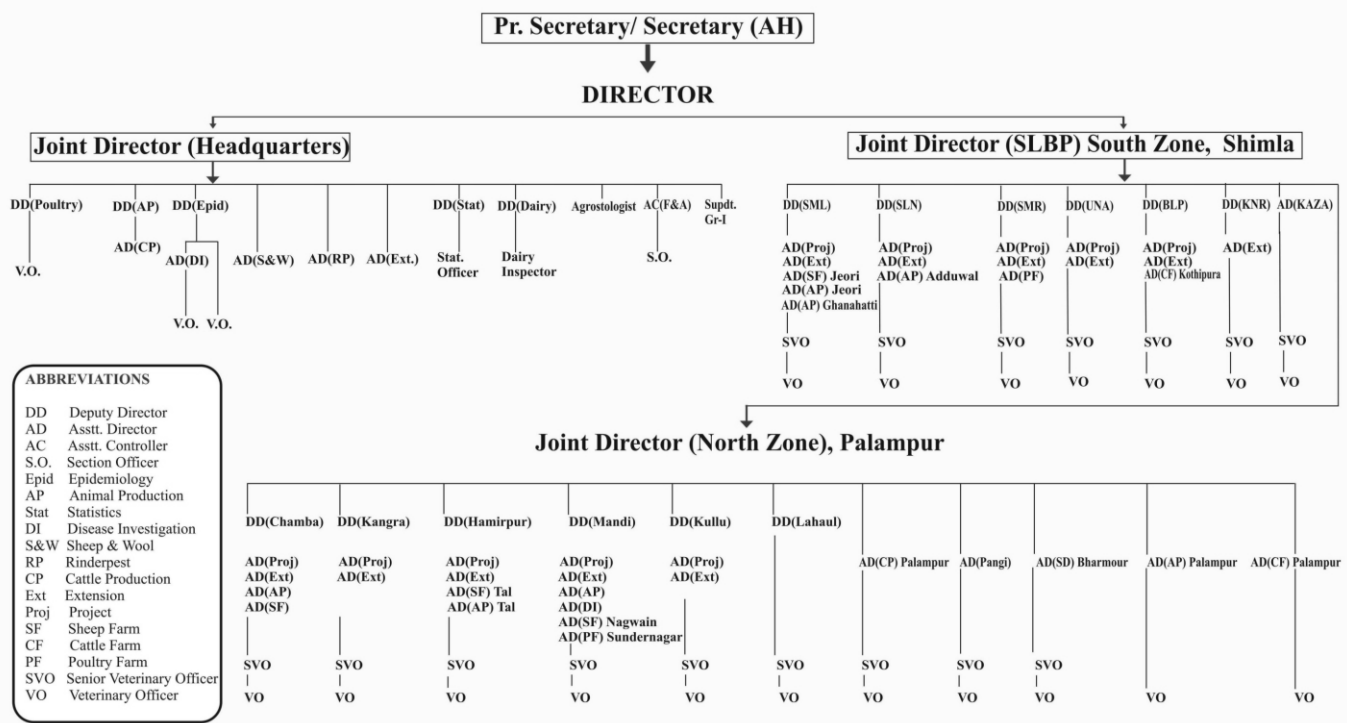
Animal Husbandry: Animal Husbandry and Dairying activities continue to be integral part of human life. As a sequel to the age old practices and dependence of population on livestock, Himachal Pradesh is endowed with the large livestock population. According to 18th LIVESTOCK CENSUS - 2007, total livestock population of H.P. is 52,11,087 which include 22,64,160 cattle, 7,60,687 buffaloes, 9,01,540 lakh sheep, 12,40,835 goats and 13,199 horses and ponies. Poultry population of the State is 8,08,431.

When Himachal Pradesh came into existence, it had only 9 Veterinary Hospitals and only indigenous animals were being reared. In 1948 separate Animal Husbandry Department came into being and programmes for increased milk production and breed improvement were taken in hand in a big way to meet the day to day requirement of increasing human population and to boost the rural economy. In 1951 up grading programme of cows was started under the All India Key Village Scheme and two key village centres at Kotgarh and Solan were started, where Red Sindhi bulls were located for cross-breeding programme. The impact of this programme was quite encouraging but the coverage was very limited. Subsequently, artificial insemination was started

in 1954-55 by transporting Jersey Semen by air from Bangalore to Himachal Pradesh. During this period, new cattle Breeding farm was started at Kothipura in Bilaspur district and Jersey animals received from Denmark were maintained at this farm where their performance was quite encouraging. The real breakthrough in the cattle breeding programme was achieved with the implementation of the Indo-New Zealand Livestock Improvement Project under which 175 pure Jersey animals were brought from New Zealand in 1974, which formed the nucleus foundation stock of jersey herd at Palampur in the University campus. Apart from this, the Frozen Semen Laboratory was also established in collaboration with the New Zealand Government and another with the assistance of the West Germany Government at Bhangrotu , District Mandi during 1974. Both these Laboratories acted as a pace setter for intensifying the A.I. programme in the State.

Administrative Setup of Department of Animal Husbandry in Himachal Pradesh:

ORGANIZATION CHART OF DEPARTMENT OF ANIMAL HUSBANDRY



Main crops, which may be given prominence in SAP of Himachal Pradesh are:

1. Maize
2. Wheat
3. Potato

4. Apple
5. Mango
6. Tomato
7. Capsicum
8. Peas
9. Cabbage & Cauliflower
10. Beans
11. Ginger
12. Citrus Fruits.

Services under NeGP-A which may be given prominence in SAP of Himachal Pradesh are:

Service-1, 2, 3, 4, 5, 7, 8, 9 & 12.

Central and State Level Schemes run by Department of Agriculture, Himachal Pradesh

STATE LEVEL SCHEMES

SOIL TESTING: Department has 11 Soil Testing Labs besides 4 Mobile Soil Testing Labs to provide free soil testing facilities to the farmers. About 1, 25,000 Nos. of samples are analyzed annually.

SEED POTATO DEVELOPMENT: The Department owns 13 Potato Development Stations where Foundation Seed for Potato is produced. More area is being diversified towards cash crops and market maximum potato as table produce only that much seed potato which can easily be marketed outside the State. The diversification is towards market oriented demand of high value cash crop/ vegetables.

GINGER DEVELOPMENT: For production of disease-free Ginger, the Department is providing Training, Demonstrations and Quality Seed. Annually about 35,609 tones of Green Ginger is produced which is marketed to the neighboring States. The Department owns two Ginger Farms where Quality Seed is produced.

QUALITY SEED MULTIPLICATION AND DISTRIBUTION: Department owns 21 Seed Multiplication Farms where Foundation Seeds of Kharif and Rabi crops are produced. Annually, about 3500 to 4000 quintals Seed of Cereals, Pulses and Vegetables are produced. Further about 1,00,000 quintals of Certified Seeds of various crops are distributed to the farmers in the State.

CROP PROTECTION: The Department exercise vigil on Pest situation .To overcome this, about 160-168 M.T of pesticides through Departmental Sale Outlets are being supplied to the farmers. For quality control of pesticides, a State Pesticides Testing Laboratory has been set up with an annual capacity of 500 samples. One Bio-Control Laboratory has been set up at Palampur where conservation and augmentation, rearing and multiplication of bio-agents are being carried out. Farmers Field Schools (FFS) are also organized to train farmers/ extension workers. The plant protection material including Plant Protection equipments are supplied to the SCs/ STs/ IRDP families and farmers of the backward areas at 50% cost.

VEGETABLES DEVELOPMENT PROJECT: Annually about 12.06 lac tones of fresh vegetables are produced. The Department owns three Vegetable Seed Farms where Quality Seed is produced.

AGRICULTURAL MARKETING: This is regulated in the State through new APMC Act, The H.P. Agricultural and Horticultural Produce Marketing (Development and Regulation) Act, 2005. At present, 10 Market Committees are functioning and 48 markets have been made functional. Market fee @ 1% is levied on buyers. Information on daily market rates is also disseminated through All India Radio / Doordarshan / AGMARKNET.

TEA DEVELOPMENT: Total area under Tea is 2,312 hectares. The Department is disseminating the latest production technology of tea cultivation to the tea growers.

FARMERS' TRAININGS & EDUCATION: The Department runs two Training Centers one at, Mashobra, District Shimla and other at Sundernagar, District Mandi. Besides this farmers training camps are organized at Village, Block and District level.

AGRICULTURAL ECONOMICS AND STATISTICS: Under this programme, three Centrally Sponsored Schemes viz. (i) Timely Reporting Schemes (TRS) for estimation of area and production of crops (ii) Improvement of Crop Statistics (ICS) for bringing quality in the land record data at grass root level and (iii) Estimation of Production of Commercial crops like Potato and Ginger. The estimation is done accordingly to statistical techniques. Production estimates on principal crops like Wheat, Barley of Rabi season and Maize, Paddy, Potato and Ginger crops of Kharif are released on the basis of results of crop cutting experiments conducted accordingly Random Sampling Method. The Director of Land Records is the agency in the State responsible for collection and release of area estimates, forecast report etc.

RURAL INFRASTRUCTURE DEVELOPMENT FUND (RIDF): The Department of Agriculture is participating in RIDF for creation of irrigation potential through Minor Irrigation/ Water Harvesting Structures. The Department got funds under RIDF-V during 1999-2000 where NABARD

sanctioned 157 Flow Irrigation Schemes amounting to Rs. 14.85 Crores which has created irrigation potential of 3,560 hectare. These schemes are being executed through Water User Associations who will also maintain them after their completion. Under RIDF-VI, 140 Flow Irrigation Schemes were posed to NABARD which have been sanctioned for Rs. 11.37 Crores covering an area of 3,031 hectare. Under RIDF-VII, 125 Minor Irrigation schemes worth Rs. 7.84 Crores have been sanctioned, which will create CCA of 2,395 hectare. Besides, these 90 water harvesting projects have been sanctioned for Hamirpur District under RIDF-VII with cost of Rs. 6.78 Crores. Under RIDF- IX, 28 Flow Irrigation Schemes amounting to Rs. 1.45 Crores have been executed creating CCA 390.62 hectare. Under RIDF-X, 60 Flow Irrigation Schemes amounting to Rs. 4.07 Crores have been executed creating CCA 1025.31 hectare. Under RIDF-XI, 68 Minor Irrigation Schemes amounting to Rs. 5.78 Crores have been executed creating CCA 1182.51 hectare. Under RIDF-XII, 118 Minor Irrigation / Soil Conservation Schemes amounting to Rs. 10.74 Crores have been executed creating CCA 1512.03 hectare during 2006-07. Under RIDF-XIII, 109 Minor Irrigation / Soil Conservation Schemes amounting to Rs. 12.31 Crores have been executed creating CCA 1821.71 hectare. Under RIDF-XIV 109 Minor Irrigation / Soil Conservation Schemes amounting to Rs. 12.31 Crores have been executed creating CCA 1821.71 hectare. Under RIDF-XV, 32 Minor Irrigation / Soil Conservation Schemes amounting to Rs. 4.29 Crores have been executed creating CCA 614.56 hectare.

CENTRAL SPONSERED SCHEMES:

RASHTRIYA KRISHI BIMA YOJNA (RKBY): The State Government has adopted this Scheme from Rabi 1999-2000 seasons. Crops covered are Wheat, Barley, Maize, Paddy and Potato. 50% subsidy in premium was allowed to small and marginal farmers on sunset basis. The scheme is compulsory for loanee farmers and optional for non-loanee farmers. The scheme provides comprehensive risk insurance against yield losses viz. drought, hailstorm, floods and pests disease etc. The Agriculture Insurance Company of India (AICI) is implementing the scheme. The farmers of the State can get benefit out of this programme. State and Government of India share the losses equally. The subsidy on premium has been raised from 10% to 50% to small and marginal farmers. From Kharif, 2008 season, Ginger crop of District Sirmour has also been taken up on pilot basis for coverage under the Crop Insurance Scheme. Besides this, Tomato and Potato in Solan, Bilaspur and Kangra/ Una respectively have been covered under Weather Based Crop Insurance Scheme (WBCIS).

PANDIT DEEN DAYAL KISAN BAGWAN SAMRIDHI YOJNA: The Department of Agriculture has launched Pt. Deen Dayal Kisan Bagwan Samridhi Yojna with the assistance of NABARD under RIDF-XIV Tranche. The project is being implemented in all District of the State with an outlay of Rs.353.01 Crores. This project comprises two parts i.e. Production of cash crops through adoption of precision farming practices through poly house cultivation for Rs.154.92 Crores and Project on Diversification of Agriculture through Micro-Irrigation and other related infrastructure for Rs.198.08 Crores. The detailed guidelines are available in the web site. For poly house and micro irrigation 80% subsidy is available, whereas, for creation of water source 50% subsidy is available. This project has been launched in January, 2009 and the project period is 4 years. During the year 2009-2010, against the target of 48.88 hectare, polyhouses has been constructed in 55.02 ha. of covered area and assistance of Rs.24.24 crore has been released to the farmers on account of construction of 4,796 No's of Polyhouses under Part-I of the project. Under Part-II (Micro Irrigation) against the target of 4,016 hectare, 4,100 hectare has been brought under Micro Irrigation incurring expenditure Rs.16.91 crores.

Integrated Scheme of Oilseed, Pulses, Oil Palm and Maize (ISOPOM): The Government of India launched this scheme during the year 2004-2005. In the new scheme all the ongoing schemes of OPP, NPDP and AMDP etc. have been merged. Only Maize crop has been kept for Himachal Pradesh. The main components of the scheme are distribution of weedicides and plant protection equipments, training camps for farmers, block demonstrations, IPM demonstrations, distribution of PVC, HDPE pipes for carrying water from the source to field and publicity regarding development of Maize etc. The scheme is being implemented on 75:25 basis except for the component of publicity where Central Government share is 100 percent. The annual action plan amounting to Rs.111.77 lacs vide which Central Share comes to Rs.84.33 lacs and State Share come to Rs.27.44 lacs has been sent to Government of India for consideration and approval.

BIOGAS DEVELOPMENT PROGRAMMES: This is 100% Centrally Sponsored Schemes under which Rs. 4,000 is provided as subsidy on Biogas Plants up to 1 cubic meter and more than 1 cubic meter the subsidy is Rs.10,000.

WORK PLAN FOR ACCELERATED GROWTH OF AGRICULTURE: The Government of India has launched this programme during the year 2000-2001 on 90% Centre share and 10% State share basis. In this, States have to identify this constraints and purpose schemes for funding through Work Plan. Flexibility has also been given to State Level Coordination Committee to make changes

in allocation, if required from one scheme to other. For the year 2009-2010, Work Plan of Rs.1353.33 lacs has been prepared and approved by Government of India.

PROMOTION AND STRENGTHENING OF AGRICULTURAL MECHNIZATION THROUGH TRAINING, TESTING AND DEMONSTRATION: This scheme was launched in the year 2003-2004. Under this scheme, the demonstrations of newly developed Agricultural Equipments are being conducted in the farmer's field every year. During 2010-2011 a sum of Rs.26.95 lacs was released by the Government of India for conducting demonstrations of newly developed agricultural equipments like Rotavator, multi-crop planter, zero till seed-cum-fertilizer drill, power tiller operated till plant machine, self propelled reaper, vegetable transplanter, manual seed drill and grain cleaner etc., which have been utilized for these activities. The proposal under this scheme is being prepared and will be sent shortly for the year 2011-2012.

RESTRUCTURED SCHEME FOR DEVELOPMENT AND STRENGTHENING OF INFRASTRUCTURE FACILITIES FOR PRODUCTION AND DISTRIBUTION OF QUALITY SEEDS: Under this scheme the Department of Agriculture started strengthening of Seed Testing Laboratories, Palampur, Solan and a new Seed Testing Laboratory at Mandi is being setup.

SEED VILLAGE PROGRAMME: Major constraint in increasing production and productivity of crops noted is the lack of sufficient quantities of quality seed of improved varieties to be made available to the farmers in time. To overcome this constraint, Government of India has started a novel programme known as "Seed Village Programme" by which sufficient seed multiplication can be achieved in order to meet local seed requirement besides facilitating supply of seeds at reasonable cost and ensuring quick multiplication of new varieties in a shorter time. Under this programme, areas of better seed production will be identified and a compact area approach will be followed. 50 to 150 suitable responding/ willing farmers for the same crops will be identified/ selected preferably in compact area/ cluster approach. Foundation/ certified seed at 50% cost will be made available to these identified farmers. The seeds for half an acre per farmer will be allowed. Training on seed production and seed technology will be imparted to the identified farmers for the seed crops grown in the seed villages. Besides this, assistance @ 33% on seed storage bins of 2.1quintal capacity is also available.

KISAN CALL CENTER: Under this scheme, farmers can get any information on agriculture by dialing toll free number 1800-180-1551 or 1551. The service is available from 6.00 A.M. to 10.00 P.M. on all days.

FARM WOMEN EMPOWERMENT: The Department of Agriculture has taken up Farm Women Empowerment Programme in a big way in 73 blocks of the State covering 11,800 women farmers. 8 women groups have been constituted in each block. The objectives of the programme are; assessment of needs of women farmers, prioritization of activities, providing package of technical training to women farmers in agriculture and allied areas, to provide organizational and functional support to women groups to make them Self Help Thrift Groups, to develop their managerial, organizational, entrepreneurial and decision making skills so as to enable them to develop them into a viable unit to start their own economic activities. These women groups are also being exposed to various parts of the State and Country. Now, the Government closed this scheme in December, 2005 and new concept of Gender Budgeting is introduced by the Government from the financial year 2006-2007 under which 30% of the budget is to be spent on Women specific programmes.

SUPPORT TO STATE EXTENSION PROGRAMMES FOR EXTENSION REFORMS: This programme is a major initiative towards revitalizing agricultural extension to make the extension system decentralized and demand driven. The scheme has been conceptualized on the basis of the policy framework for agricultural extension and experiences with the innovations in the technology dissemination component of the National Technology Project implemented in the 7 States including Himachal Pradesh. This scheme has been revised with effect from April, 2010. The revised scheme provides for dedicated specialist and functionary support to take up training and extension initiatives at State, District and Block level. Besides this, important in extension outreach right down to the village level is expected to be achieved through Farmer Friend. Following key reforms are being promoted and under the revised scheme; Providing innovative restructured autonomous institutions at the State/ District/ Block level.

- Encouraging Multi-agency Extension Strategies involving public/ private extension service providers.
- Ensuring an integrated, broad-based extension delivery mechanism consistent with farming system approach.
- Adopting Group approach to extension in line with the identified needs and requirements of the farmers in the form of CIG's and FIG's.
- Facilitating convergence of programmes in planning, execution and implementation.
- Addressing gender concerns by mobilizing farm women into groups and providing training to them.

- Moving towards sustainability of extension services through beneficiary contribution. During 2009-2010, an expenditure of Rs.572.03 lacs has been incurred against approved outlay of Rs.800.03 lacs. This scheme has been extended to all the 12 Districts of the State. The approved outlay for 2010-2011 is Rs.685.03 lacs including 10% State Share.

MASS MEDIA SUPPORT TO AGRICULTURE EXTENSION: The primary objective of the scheme is to use television and radio with their massive penetration, as a vehicle for agricultural extension. Basically, the scheme is focusing on two initiatives:

Doordarshan: The first is use of Doordarshan for infrastructure for providing agricultural related information and knowledge to farming community. It has two components:

- (i) Narrowcasting using high/ low transmitters of Doordarshan
- (ii) Regional and National Agricultural Programmes in terrestrial mode of transmission.

Presently, Doordarshan Shimla is telecasting Krishi Darshan Programme between 6.00 P.M. to 6.30 P.M. five days in a week.

All India Radio: This component of scheme envisages use of FM transmitters of AIR to broadcast area specific agricultural programmes with 30 minutes radio transmission six days a week. Presently, half an hour, Krishivani programme is being broadcasted, six days a week from FM Dharamshala and Hamirpur.

NATIONAL PROJECT ON ORGANIC FARMING: Organic agriculture on one hand, is expected to provide sustainability, while on other hand, it will help in increasing the income of the farmers. Government of India has launched a National Project on Agriculture in order to promote organic farming. Under this project, financial assistance was being provided for setting up of Model Farms, training of farmers, setting up of vermi hatcheries and service providers. For promoting organic farming, a project was taken up in Shimla District in collaboration with Morarka Foundation and District Rural Development Agency, Shimla. Under the scheme, 48 clusters consisting of 5800 farmers were registered. The Department of Agriculture has assistance @ Rs.1500 per farmer. This assistance would be provided in three years for documentation, data base management, training and capacity building, organic certification, linkage and value addition. Besides this, training of farmers regarding organic farming was organised. OneCert Asia Agriculture Certification Pvt. Ltd., Jaipur has been engaged for the certification of organic produce. After the certification, this company will explore the market for this produce by making agreement with the interested companies. This programme of organic farming promotion has also been extended to other districts by involving local NGOs/ KVKs in the districts for promotion

of organic farming and registration of farmers. Up to 2010-2011 24,000 and 12,000 has area is covered/ assistance of Rs.3750 per unit is being provided to the farmers to set up vermicomposting. 3,76,000 vermi complex unit have been setup in the State up to 2010-2011.

1.2 Purpose of State Agricultural Portal

State Agricultural Portals (SAP) is an interface for the Departments of Agriculture, Horticulture, Fisheries and Animal Husbandry, involved in Agriculture sector related activities in the State of Himachal Pradesh.

1.3 Scope of the Document

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

1.4 Objectives of Himachal Pradesh State Agricultural Portal

The State Agricultural 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, Hindi as well as in English, 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, RSK's and internet for public access. The State Agricultural Portal is a conceptual design of service delivery channel at the state level.

1.5 Definitions, Acronyms and Abbreviations

ACMS	Agriculture Content Management System
ADO	Agriculture Development Officer
AGMARKNET	Agricultural Marketing Information System Network
AMFU	Agro-Meteorological Forecasting Unit
B2C	Business to Citizen
BAO	Block Agriculture Officer
BOO	Build-Own-Operate

BOOT	Build-Own-Operate-Transfer
BPR	Business Process Re-engineering
CAP	Central Agriculture 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
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
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
RSK	Raita Samparka Kendra
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
SMS	Short Message Service
SOA	Service Oriented Architecture
SEC	State Empowered Committee
SRS	Software Requirements Specifications
SSO	Single-Sign-On
SWAN	State Wide Area Network
VLEW	Village Level Extension Worker
XML	Extensible Markup Language

1.6 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 Himachal Pradesh		
3.	Discussion with State Level officials of Himachal Pradesh		
4.	Documents shared by state team and NIC team		
5.	Documents shared by Delhi NIC		

1.7 Websites

1.7.1 State Level Websites

Sr. No.	Website	Department
1	http://hpagrisnet.gov.in/	Website of Himachal Pradesh Agrisnet
2	http://hpagrisnet.gov.in/agriculture/default.aspx http://www.hpagriculture.com/	Website of Department of Agriculture, Himachal Pradesh
3	http://hpagrisnet.gov.in/animal-husbandry/default.aspx	Website of Department of Animal Husbandry, Himachal Pradesh
4	http://hpagrisnet.gov.in/fisheries/default.aspx	Website of Department of Fisheries, Himachal Pradesh
5	http://hpagrisnet.gov.in/horticulture/default.aspx	Website of Department of Horticulture, Himachal Pradesh
6	http://www.yspuniversity.ac.in/	Website of Dr. Yashwant Singh Parmar University of Horticulture and Forestry
7	http://www.hillagric.ac.in	Website of CSK Himachal Pradesh Agricultural University, Palampur (INDIA)
8	http://sametihp.com/	Website of State Agricultural Management & Extension Training Institute Shimla
9	http://himachal.nic.in	Official Website of Himachal Pradesh
10	http://hpsamb.nic.in/	HP State Agricultural Marketing Board

11	http://hpssopca.org/	H.P. State Seed & Organic Produce Certification Agency
12	http://ihbt.res.in/	Institute of Himalayan Bioresource Technology, Palampur (H.P.)
13	http://weathershimla.gov.in/	Meteorological Center Shimla

1.7.2 National Level Websites

1	http://www.imdagrimet.gov.in/	India Metrological Department Ministry of Earth Sciences
2	http://seednet.gov.in/	National Institute for Information on Quality Seeds
3	http://agmarknet.nic.in/	Directorate of Marketing & Inspection (DMI), Ministry of Agriculture, Government of India
4	http://cibrc.nic.in/	Central Insecticides Board & Registration Committee Ministry of Agriculture
5	http://agricoop.nic.in/	Department of Agriculture & Cooperation, Ministry of Agriculture, Government of India
6	http://dacnet.nic.in/ http://dacnet.nic.in/farmer/new/home-new.html	Department of Information Technology Ministry of Information and Communication Technology Government of India
7	http://www.icar.org.in/	Indian Council of Agricultural Research
8	http://rdpp.csir.res.in/csir_acsir/Home.aspx	Council of Scientific and Industrial Research
9	http://agriwatch.com/	Indian Agribusiness Systems Private Limited
10	http://www.apeda.com/	APEDA website
11	http://teaboard.gov.in/	Tea Board of India
12	http://www.manage.gov.in/	National Institute of Agricultural Extension Management, GOI, Hyderabad
13	http://www.jica.go.jp/english/	Japan International Cooperation Agency
14	http://www.fao.org/	Food and Agriculture Organization of the United Nations
15	http://iccoa.org/home.php	International Competence Centre for Organic Agriculture
16	http://indiaorganictradefairs.com/	India Organic Trade Fair
17	http://www.aicofindia.com/AICEng/Pages/Default.aspx	Agriculture Insurance Company of India Limited

2. OVERALL DESCRIPTION - STATE AGRICULTURAL PORTAL

2.1 As-Is system of Department of Agriculture, Horticulture, Fisheries and Animal Husbandry

The information on all functions and activities of the department of agriculture is provided through the following channels and websites

2.1.1 Website of Himachal Pradesh under AGRISNET Project

URL: <http://hpagrisnet.gov.in/>

This website is a common interface to access websites of all the 4 departments namely "Agriculture", "Horticulture", "Fisheries" and "Animal husbandry" of Himachal Pradesh. The website is in English and Hindi languages. This website provides the following information.

The screenshot displays the AGRISNET Government of HP website. The header includes the AGRISNET logo and navigation links: Main, Agriculture, Animal Husbandry, Fisheries, Horticulture, Expert Advisory, and Download. Below the header, there are sections for News & Events, Announcements, Policies, Training & Services, Diseases, and Expert Advisory. A weather widget is also visible on the left side.

Main Menu

- About Us
- Equipment Detail
- Programmes and Schemes
- Guidelines and Publications
- Downloads and Forms
- Market Information
- Frequently Asked Question

Weather

News & Events

- Assistance Available to Agricultural Under Various Schemes
- Assistance Available to Livestock Farmers Under Various Schemes
- Assistance Available to Fish Farmers

Announcements

- Announcements of Hon'ble Chief Minister, H.P. related to Animal Husbandry Department
- Period for ban on fishing in trout water and General Water
- Subsidy on Biogas Plant.....Locate nearest Biogas Plant

Policies

- Breeds Of Cattle And Buffalo Suitable For Rearing In Himachal
- Breeds Of Sheep and Goats in Himachal Pradesh
- Fisheries resources of Himachal Pradesh

Training & Services

- Agriculture Department
- Animal Husbandry Department
- Fisheries Department
- Horticulture Department

Diseases

- Various Diseases in Rabi Crops, Kharif Crops and Vegetables
- Bird Flu
- Vaccination of animals
- Common disease of fish Causes, Symptoms, Reasons, Actions, Treatments


Expert Advisory

Post your query/problem online through this portal now and get solution from subject experts


Get the solution for your problem through questions and answers in AGRISNET Knowledge Bank

The Agrisnet website is having following sections:

- Website of Department of Agriculture <http://hpagrisnet.gov.in/agriculture/default.aspx>



DEPARTMENT OF AGRICULTURE
 Government of Himachal Pradesh



Home | Contact Us | Job Profile | Tender Notice | Budget | RTI Act 2005 | Act & Rules | Dealers |

This Site

NEWS
ASSISTANCE AVAILABLE TO AGRICULTURAL UNDER VARIOUS SCHEMES
हिंदी में देखें



Main Menu

- » About Us
- » Achievements
- » Action Plan
- » Thrust Areas
- » Functions
- » Targets
- » Gallery
- » Organisational Structure
- » Agro Climate Zone
- » Grievance Redressal Cell

Welcome to Department of Agriculture

Welcome to Himachal Pradesh agriculture Department Official website "We reiterate our commitment & responsibility for rapid economic upliftment of farming community of the state through planned agriculture development. Our strategy for future would be towards sustainable agriculture & production, improvement in productivity and quality"

PANDIT DEEN DAYAL KISAN BAGWAN SAMRIDHI YOJNA

Production of Cash Crops through Adoption of Precision Farming Practices in Poly-Houses	Diversification of agriculture through Microirrigation
 <p>Project is being implemented for the benefit of farming community in all the Districts of the Pradesh. District-wise targets have been fixed with regard to different project components. However within district, cluster approach shall be adopted as far as possible and preferential areas would be those which are having production constraints like heavy rainfall, hailing, frost, high velocity winds and extreme climatic conditions like long and severe winters etc.</p>	 <p>As per need of farming community, project is being implemented in all the districts of the Pradesh. District-wise and component-wise targets have been fixed. Estimates for the guidance of project implementation agency and farmers have been prepared by considering all aspects like topography, soils, crops to be grown, type of water creation/water augmentation structures to be constructed for irrigation. Unit cost for each project component has been worked out and accordingly admissibility of project assistance has been determined. The costs of items to be used in the Micro-Irrigation systems have been</p>

- i) Home
- ii) Contact Us
- iii) Job Profile
- iv) Tender Notice
- v) Budget
- vi) RTI Act 2005
- vii) Act & Rules
- viii) Dealers
- ix) About Us
- x) Equipment Detail
- xi) Programmes and Schemes
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- xiii) Downloads and Forms
- xiv) Market Information
- xv) Frequently Asked Question
- xvi) Achievements
- xvii) Action Plan
- xviii) Thrust Areas

- xix) Functions
- xx) Targets
- xxi) Gallery
- xxii) Organizational Structure
- xxiii) Agro Climate Zone
- xxiv) Grievance Redressal Cell
- xxv) Package of Practice
- xxvi) Framework of Agricultural Activities for 52 Weeks
- xxvii) Land Use Pattern
- xxviii) NBMMP
- xxix) Other Useful Links

b. Animal Husbandry <http://hpgrisnet.gov.in/animal-husbandry/default.aspx>

DEPARTMENT OF ANIMAL HUSBANDRY
Government of Himachal Pradesh

Home | About Us | Job Profile | Budget | Activities | Achievements | Gallery | Sitemap

ASSISTANCE AVAILABLE TO LIVESTOCK FARMERS UNDER VARIO

Welcome to Department of Animal Husbandry, Himachal Pradesh

Animal Husbandry and Dairying activities continue to be integral part of human life. As a sequel to the age old practices and dependence of population on livestock, Himachal Pradesh is endowed with the large livestock population. According to 18th LIVESTOCK CENSUS - 2007, total livestock population of H.P. is 52,11,087 which include 22,64,160 cattle, 7,60,687 buffaloes, 9,01,540 sheep, 12,40,835 goats and 13,199 horses and ponies.

Citizen Links

- Farmer's Handbook
- RETURN OF ASSETS AND LIABILITIES AS ON 31-01-2011
- 18th Livestock Census - 2007
- Citizen Charter
- H.P. Woolfed
- Signs Of Heat in Cattle & buffalo

Vets Forum

- Veterinary Practitioners
- PPR Updates
- Disease Investigation Lab
- Departmental Exams - (HIPA)

Acts & Rules

- PCA -1960
- Chamurthi - Himachali Pony
- Pack & Draught Animal Rules
- H.P. Livestock & Birds Disease Act - 1969, Glanders & Farcy Act - 1889
- H.P. Prohibition of Cow Slaughter (Amendment) Act-2010
- H.P. Prohibition of Cow Slaughter Amendment Rules-2010
- Vety. Ph. Training Regulation/Guidelines

Important Links

- Doodh Ganga Project
- Mukhyamantri Arogya Pashudhan Yojana
- Poultry Development
- Annual Administrative Report for the Year 2010-11
- Short Tender Notice
- Tender for the purchase of fully automated setter and hatcher (valid upto 30th April,2013)

- i) Home
- ii) About Us
- iii) Job Profile
- iv) Budget

- v) Activities
- vi) Achievements
- vii) Gallery
- viii) Sitemap
- ix) Organizational Setup
- x) General Information
- xi) Institution Details
- xii) Departmental Farms
- xiii) Animal Farming
- xiv) Right to Information (RTI)
- xv) Staff Position
- xvi) Telephone Directory
- xvii) Grievance Cell
- xviii) Contact Us

c. Fisheries <http://hpagrisnet.gov.in/fisheries/default.aspx>

FISHERIES DEPARTMENT
Government of Himachal Pradesh

Home | About us | Achievements | HelpLine | Exclusive | Tenders | Gallery | Sitemap

NEWS ASSISTANCE AVAILABLE TO FISH FARMERS UNDER VARIOUS SCHEMES

Main Menu

- » About Fishing
- » HP Fisheries Act
- » Fisheries Growth
- » Wonder Fish
- » Fish Marketing
- » Right to Information
- » Do You Know?
- » Related Links
- » Contacts Us

Welcome to State Department of Fisheries

Pursuance to a recommendation made by Fisheries Development Advisor to Government of India, the Fisheries Department in Himachal Pradesh was created during August 1950 as a wing of Forest Department headed by Deputy Warden of Fisheries. The main activities envisaged for the department was conservation of riverine fisheries, production and protection of sport fisheries, issuing of licenses, breeding and production of trout seed, their plantation in rivers & streams for augmentation of riverine stock.

Our Gallery

Built for a Life UnderWater

Do fish drink water?
An oft - repeated question about the fact regarding fishes living in water is 'Do fish drink water'

Many of us are curious to know the reply.
The answer is "Yes" & "No"

While the freshwater fish doesn't drink water -
The marine fish drinks large quantities of water.

Message from Hon'ble Chief Message from Hon'ble Minister From Director's

- i) Home

- ii) About Us
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- iv) Helpline
- v) Exclusive
- vi) Tenders
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- viii) Sitemap
- ix) About Fishing
- x) HP Fisheries Act
- xi) Fisheries Growth
- xii) Wonder Fish
- xiii) Fish Marketing
- xiv) Right to Information
- xv) Do You Know?
- xvi) Related Links
- xvii) Contacts Us

d. Horticulture <http://hpagrisnet.gov.in/horticulture/default.aspx>

- i) Home
 - ii) Overview
 - iii) Organizational Setup
 - iv) Infrastructure
 - v) Future Strategies
 - vi) Gallery
 - vii) Horticulture at a Glance
 - viii) Citizen Services
 - ix) General Information
 - x) Annual Administrative Report
 - xi) R.F.D.
 - xii) Floriculture
 - xiii) Spray Schedule
 - xiv) Horticultural Monthly Work Schedule
 - xv) Fruit Preservation Monthly Work Schedule
 - xvi) Preventing Fruit Pests Work Schedule
 - xvii) Floriculture monthly work schedule
 - xviii) Training Manual
 - xix) Operations Guide
 - xx) RTI ACT 2005
 - xxi) Tenders
 - xxii) Related Websites
 - xxiii) Contact Us
- e. Expert Advisory
- i) Farmers Query
 - ii) Knowledge Bank
 - iii) Log In
 - iv) Search By Text

2.1.2 Website Department of Agriculture

URL: <http://www.hpagriculture.com/>

DEPARTMENT OF AGRICULTURE

Himachal Pradesh
Government of Himachal Pradesh

कृषि भवन
हिमाचल प्रदेश

Welcome to Himachal Pradesh agriculture Department Official website. We reiterate our commitment & responsibility for rapid economic upliftment of farming community of the state through planned agriculture development. Our strategy for future would be towards sustainable agriculture & production, improvement in productivity and quality".

Unleashing Green Revolution

[Organic Farming Policy](#)

[Returns](#)

RTI Act, 2005 | List of Krishak Mitras | Grievance Redressal Cell | Licence Form | Guidelines PLDDKBSY | Progress Pt.DDKBSY | Guidelines Micro Irrigation | RFD | H.P. Public Services Guarantee Act, 2011 | Acts and Rules | Package of Practices | Training Manual | NBMMMP | Beneficiaries under MIS | MI Progress Report (2010-2011) | DAP's/SAP

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Site Developed & Maintained By: **SHOGHI COMMUNICATIONS**

This website provides the following information under different links.

- a. Home
- b. About Us
- c. Achievements
- d. Budget
- e. Schemes
- f. Thrust Areas
- g. Feedback
- h. Contact
- i. Job Profile
- j. Related Websites
- k. General Information
- l. Tender Notice
- m. Organic Farming policy
- n. RTI Act, 2005

- o. List of Krishak Mitras
- p. Grievance Redressal Cell
- q. License Form
- r. Guidelines Pt. DDKBSY
- s. Progress Pt. DDKBSY
- t. Guidelines Micro Irrigation
- u. RFD
- v. H. P. Public Services Guarantee Act, 2011
- w. Acts and Rules
- x. Package of Practice
- y. Training Manual
- z. NBMMP
- aa. Beneficiaries under MIS
- bb. MI Progress Report (2010-2011)
- cc. CAP/ SAP

2.1.3 Website of Dr. Yashwant Singh Parmar University of Horticulture and Forestry

URL: <http://www.yspuniversity.ac.in/>

Dr. Yashwant Singh Parmar University of Horticulture & Forestry
Nauni, Solan - 173 230 (Himachal Pradesh) India

About University
Mandate
Administration
Organization
Location
From the VC desk
Vice Chancellor
Contact us

Information (AFVPP) 25th June to 15th July, 2012

Tenders
Jobs / Vacancies
Training/Workshops
Rate Contracts
Download
Web Gallery
Weather Forecast

Admission
Under Graduate Programs
Master Programs
MBA/MBA(Agribusiness)
Ph. D Programs

Human Resources
Intercom Directory
Telephone Directory
Health Services
UHF Teacher Association
Alumni Association
E.S.C.C.

Package of Practices

Announcements
** Our University has been connected with 1 Gbps leased line connectivity for internet under National Knowledge Network (NKN) project

College of Horticulture
Biotechnology
Entomology & Apiculture
Floriculture & Landscaping
Mycology & Plant Pathology
Fruit Science
Food Science & Technology
Vegetable Science
Business Management

College of Forestry
Silviculture & Agroforestry
Tree Improvement & GR
Forest Products
Soil Sciences & WM
Environmental Science
Basic Sciences
Social Sciences

Other Centre
Seed Technology & Production Centre
Computer & Instt. Centre
Regional Centre
Precision Farming &

Research
Main Departments
Regional Stations
RHRS Mashobra
RHRS Dhaulakuan
RHRS Sharboo
Satellite Stations
Research Centers

Extension Education
Main Campus
Regional Stations
KVK Chamba
KVK Rohru
KVK Kinnaur

Satyanand Stokes Library
Consortium For e-Resources in Agriculture (CERA)
KrishiPrabha (e-thesis)
Right to Information Act
Sakshat
National Knowledge Network
I.A.S.R.I. New Delhi

ICAR
NIS AgNet
HP Government

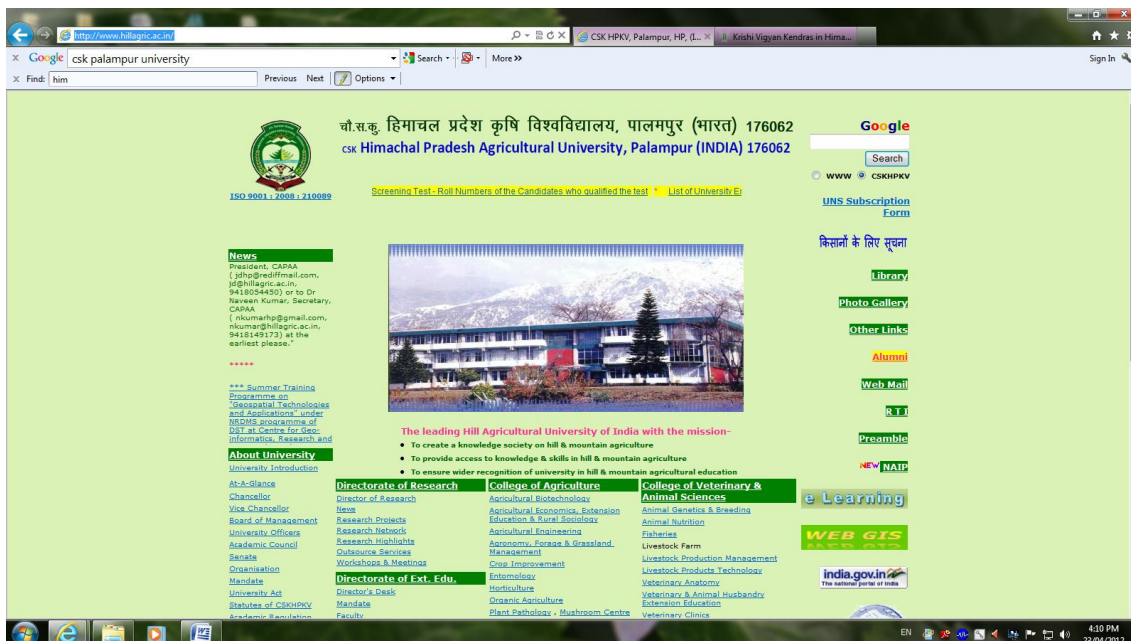
This website is one of the state agriculture university website in Solan, Himachal Pradesh. The farmers can use it for the information related to Good agriculture Practices (GAP) and information related to weather related agromet services. This website provides the following information:

- a. Home
- b. About Us
- c. Academics
- d. Admission
- e. Students
- f. Research
- g. Extension
- h. Utilities
- i. Contact
- j. From The Vice Chancellor's Desk
- k. Research Thesis
- l. Right to Information Act
- m. NISAGENET
- n. Web Gallery
- o. Package of Practices Weather Forecast Student Placement Cell Jobs / Vacancies..
- p. Training & Workshops
- q. Tenders & Quotations
- r. Alumni College of Forestry -Notice

2.1.4 Website of CSK Himachal Pradesh Agricultural University, Palampur (INDIA)

URL: <http://www.hillagric.ernet.in/>

This website is one of the state agriculture university website in Palampur, Himachal Pradesh. The farmers can use it for the information related to Good agriculture Practices (GAP) and information related to weather related agromet services.



2.1.5 Website of State Agricultural Management & Extension Training Institute Shimla

URL: <http://sametihp.com/>



This website provides the following information:

- a. Home
- b. Agriculture Technology Management (ATMA)
- c. Himachal Pradesh Agriculture Information System (HPAIS)
- d. Post Graduate Diploma in Agricultural Extension Management (PGDAEM)
- e. Organic Farming Project Himachal Pradesh
- f. Kisan Call Center
- g. National Agricultural Development Programme (NADP)/ Rashtriya Krishi Vikas Yojana (RKVY)
- h. State Food Security Mission (SFSM)
- i. National Project on Management of Soil Health & Fertility
- j. Agro Met Advisory Bulletin
- k. Farm School
- l. State Profile
 - i. Land User Pattern
 - ii. Soil Resources
 - iii. Water Resources
 - iv. Climate Resources
 - v. Bio Diversity
 - vi. Forest Resources
 - vii. Animal Resources
 - viii. Food Grain Production
 - ix. Himachal Pradesh State Profile
- m. What is SAMETI
- n. MANDATE
- o. Training Methodology
- p. Downloads
- q. Success Stories
- r. Specific Objectives
- s. Publication
- t. Recent News
- u. Training Calendar

- v. Contact US
- w. Who's WHO
- x. Photo Gallery
- y. Print Media
- z. Facilities

Tourism

G.O.J. Directory

Agri Website

District Wise Soil Survey Maps

2.1.6 Official Website of Himachal Pradesh

URL: <http://himachal.nic.in>

The screenshot shows the official website of Himachal Pradesh. The header includes the state emblem and the text "Himachal Pradesh The Official Website". Below the header is a navigation menu with options like "Photo of the Week", "Government", "eServices", "eTourism", and "Judiciary". The main content area is divided into several sections:

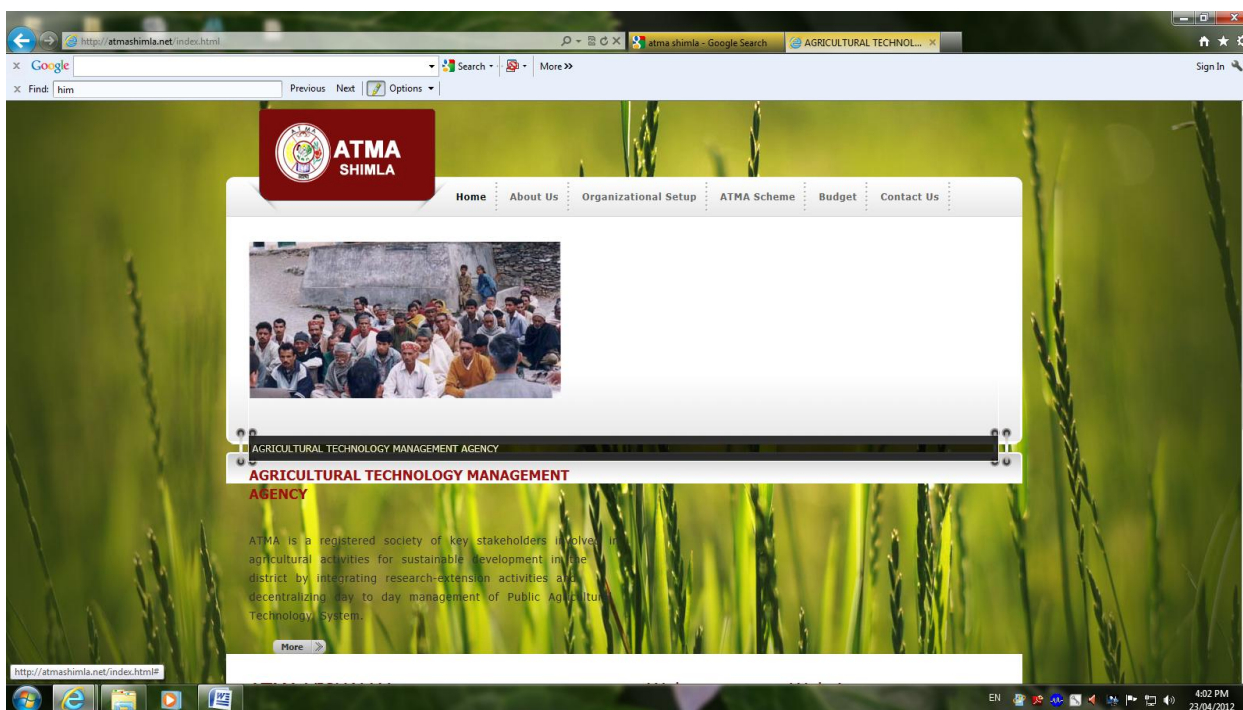
- Chief Minister:** Features a portrait of the Chief Minister and a link to "Write to Chief Minister".
- Bill Payments, Online Bookings, Forms:** Includes links for "ई.समाधान" (Online Public Grievance Redressal System), "Ksh State Financial Reports", and "Budget 2012-13".
- Weather:** Shows the date (18-April-2012) and weather conditions for Kullu (Sunny and Cool Day) and Shimla (Partially cloudy sky).
- Distt. Map & Sites:** A map of Himachal Pradesh with district names: Chamba, Lahaul & Spiti, Kangra, Kullu, Mandi, Kinnaur, Una, Hamirpur, Bilaspur, Shimla, Solan, and Sirmaur.
- Organisations:** Lists various departments and boards.
- Online Services:** Includes links for Bus Tickets, Electricity Bill Pay, E-salary, Job Portal, Police Complaints, Passport Status, HPVS - Business, and HPHC - Cause List.
- Notices:** Lists various tenders, vacancies, notifications, events, press releases, news photographs, news clippings, and results.
- Announcements:** Includes "Roll Numbers for HIPA - Board of Departmental Examination" and "National Talent Search Examination 2012".
- Misc. Information:** Includes "At a Glance", "India Image", "Pilgrimage", "Acts, Rules", "Documents", "Census of India", and "Personnel Transfer Orders".
- Search:** A search bar with a "Go" button and options for "Web" and "This Site".
- Search Directory:** Lists various directories like E-Mail Directory, Telephone Directory, Secretariat Library, Civil Lists, Hotel Directory, Blood Donors List, Electoral Rolls, and ECI PRI/ULB.
- Discussion Forum:** Includes a "Current Topic" about "Promotion of Tourism for the Benefit of Tourists and Local Population!" and a link to "Register for Websites Updates".
- Search Directory:** Lists various directories like E-Mail Directory, Telephone Directory, Secretariat Library, Civil Lists, Hotel Directory, Blood Donors List, Electoral Rolls, and ECI PRI/ULB.
- Search:** A search bar with a "Go" button and options for "Web" and "This Site".
- Site Map:** A link to the site map.

The footer contains "Related Links" such as "India Image", "www Services of NIC", "GoI Directory", "Informatics", and "Feedback/Contact Us". It also displays the visitor number "10436524" and the resolution "1024x768".

This is the official website of Himachal Pradesh government. This website is mainly used for its Grievance Redressal System called e-Samadhan. Anybody can login to the system and write the grievances related to any department. In this case he will go for agriculture department. Now concerning officer from the agriculture department will have to give the reply against the grievance in a stipulated timeline and the user can track the status of his/her grievance anytime from website.

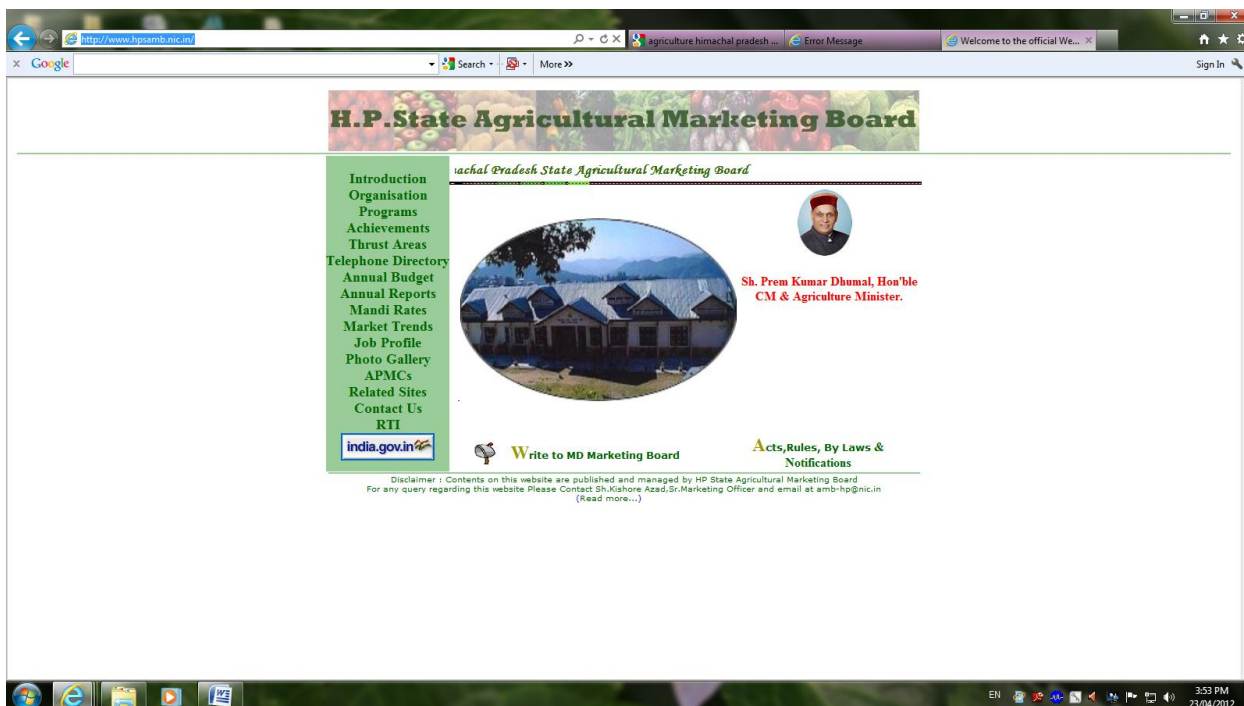
2.1.7 Website of ATMA, Shimla

URL: <http://atmashimla.net/index.html>



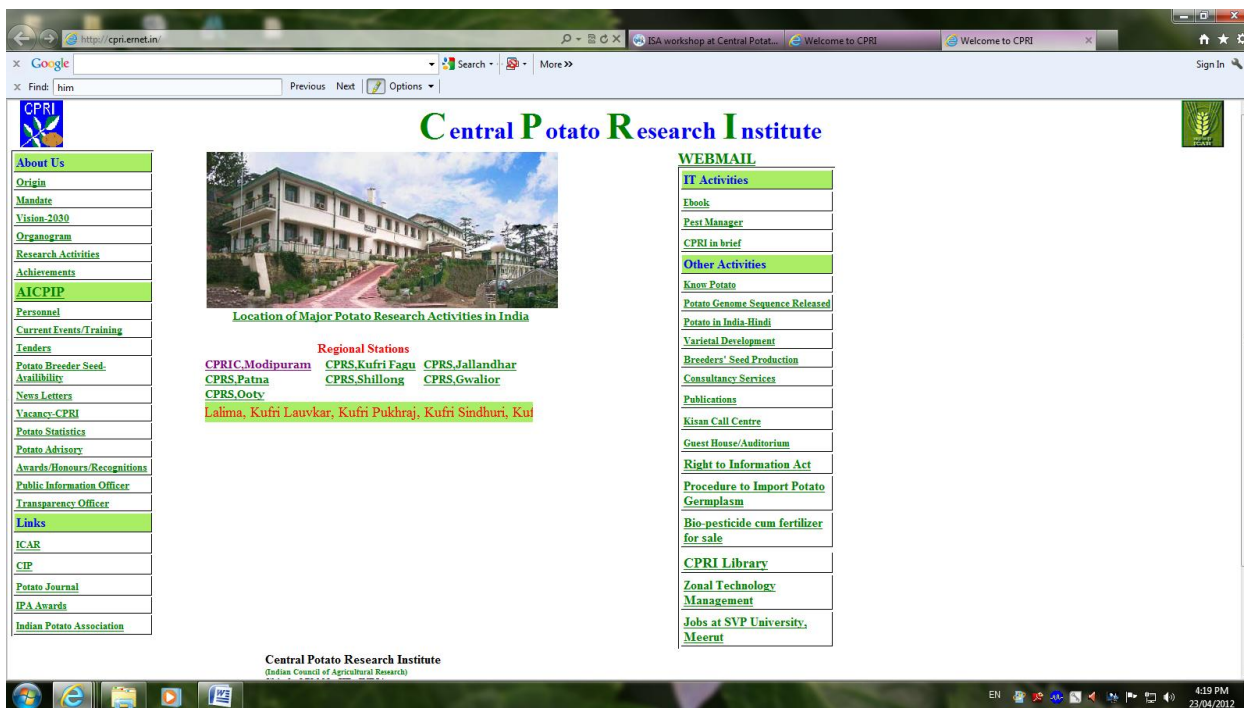
2.1.8 Website of State Agriculture Marketing Board

URL: <http://www.hpsamb.nic.in/>



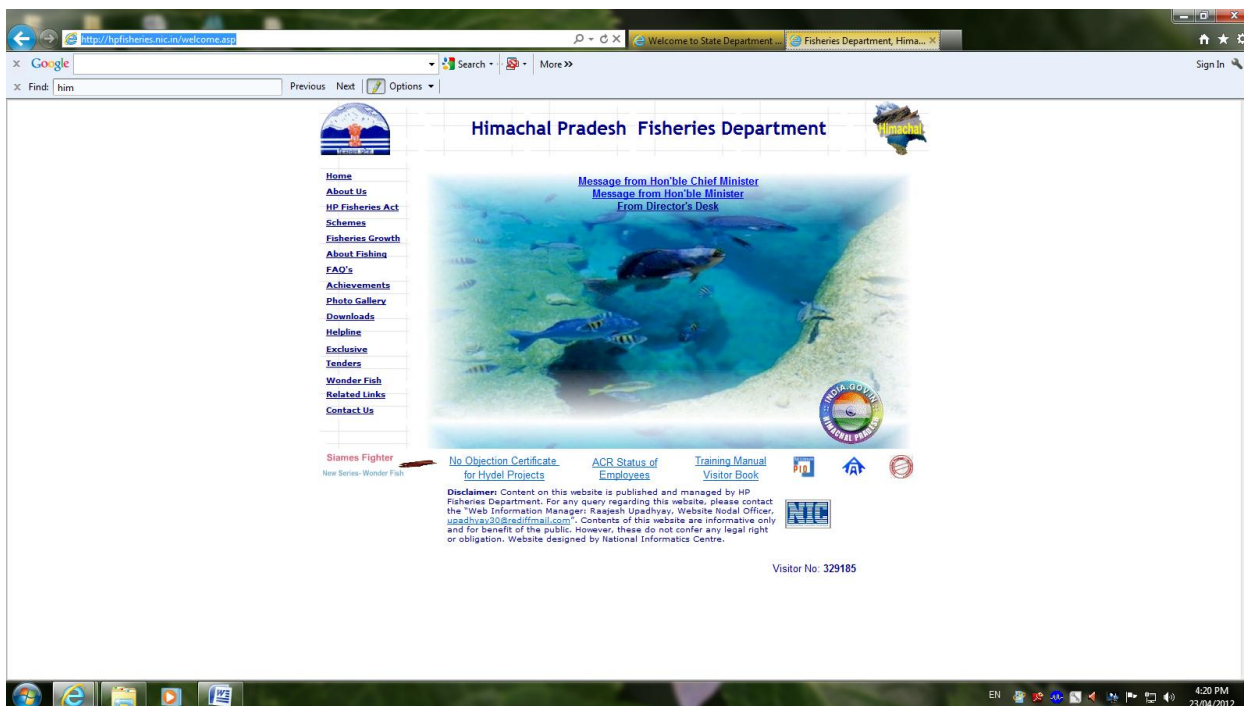
2.1.9 Website of Central Potato Research Institute

URL: <http://cpri.ernet.in/>



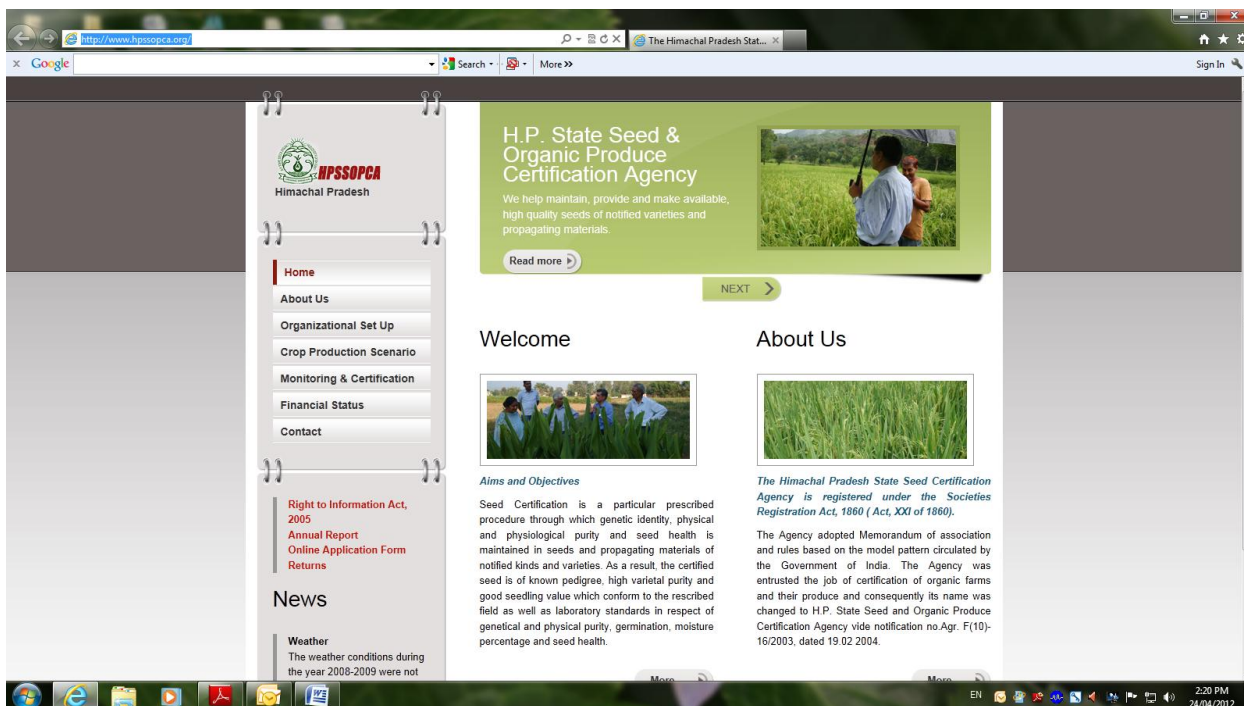
2.1.10 Website of Department of Fisheries

URL: <http://hpfisheries.nic.in/welcome.asp>



2.1.11 Website of HP State Seed & Organic Produce Certification Agency

URL: <http://www.hpssopca.org/>



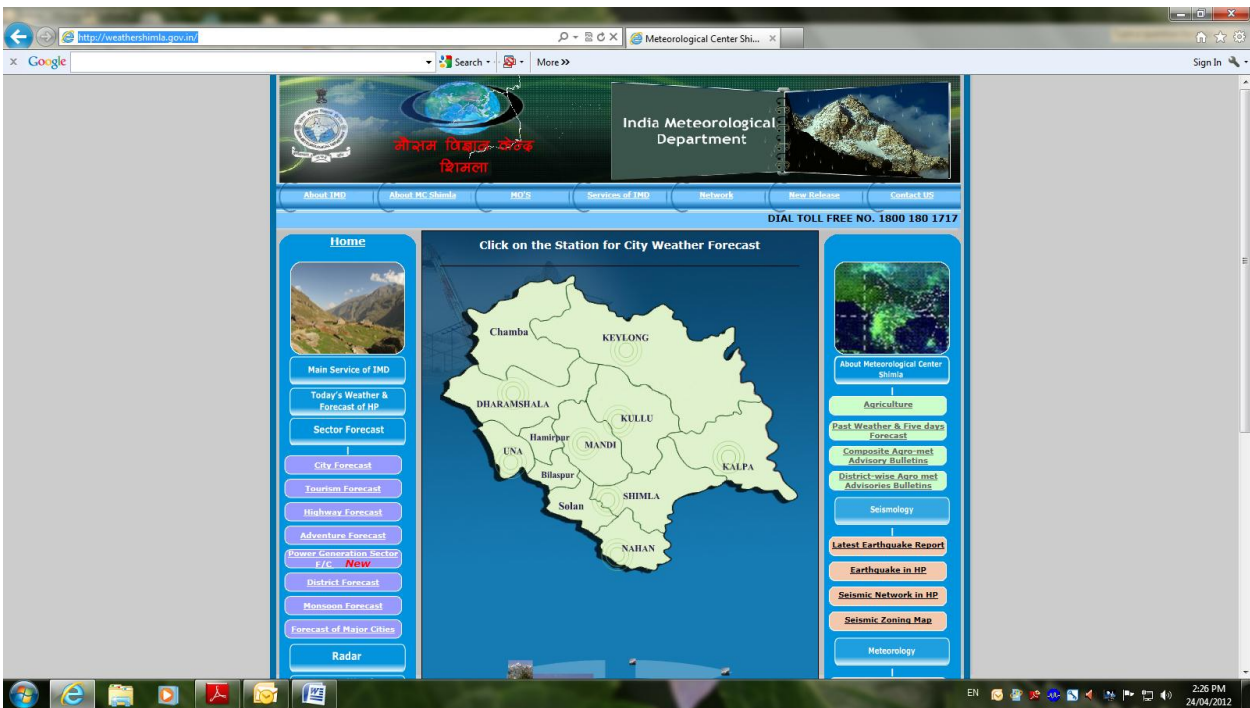
2.1.12 Website of Institute of Himalayan Bio Resource Technology, Palampur

URL: <http://www.ihbt.res.in/>



2.1.13 Website of IMD Centre, Shimla

URL: <http://weathershimla.gov.in/>



2.1.14 Other websites

Sr No	Website	Department
1	http://www.imdagrimet.gov.in/	India Metrological Department Ministry of Earth Sciences
2	http://seednet.gov.in/	National Institute for Information on Quality Seeds
3	http://www.agricoop.nic.in	Ministry of Agriculture and Rural Development (GOI)
4	http://cibrc.nic.in/	Central Insecticides Board & Registration Committee Ministry of Agriculture
5	http://agricoop.nic.in/	Department of Agriculture & Cooperation, Ministry of Agriculture, Government of India
6	http://dacnet.nic.in/ http://dacnet.nic.in/farmer/new/home-new.html	Department of Information Technology Ministry of Information and Communication Technology Government of India
7	http://www.icar.org.in/	Indian Council of Agricultural Research
8	http://rdpp.csir.res.in/csir_acsir/Home.aspx	Council of Scientific and Industrial Research
9	http://agriwatch.com/	Indian Agribusiness Systems Private Limited
10	http://www.apeda.com/	APEDA website
11	http://teaboard.gov.in/	Tea Board of India
12	http://www.manage.gov.in/	National Institute of Agricultural Extension Management, GOI, Hyderabad
13	http://www.iica.go.jp/english/	Japan International Cooperation Agency
14	http://www.fao.org/	Food and Agriculture Organization of the United Nations
15	http://iccoa.org/home.php	International Competence Centre for Organic Agriculture
16	http://indiaorganictradefairs.com/	India Organic Trade Fair
17	http://www.aicofindia.com/AICEng/Pages/Default.aspx	Agriculture Insurance Company of India Limited
18	http://hpssopca.org/	H.P. State Seed & Organic Produce Certification Agency
19	http://ihbt.res.in/	Institute of Himalayan Bioresource Technology, Palampur (H.P.)

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
- More often than not, the knowledge of which website to access is not available
- Issues with information not being updated regularly – thus outdated information being provided which may not be relevant

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 departments for the citizens and stakeholders. An attempt has been made through this Portal to provide comprehensive, accurate and 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 programs 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:

- About Himachal Pradesh- History of Agriculture
- 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 and Agro-Met Advisories
- Providing market information on prices & arrivals of agricultural commodities
- Providing related market information to facilitate farmers get better prices
- Providing interaction platform for producers, buyers & transport service providers
- Providing information on Minimum Support Price & Govt. Procurement Points
- Providing electronic certification for imports & exports
- Providing information on marketing infrastructure & post harvest facilities
- Providing information on storage infrastructure
- Monitor implementation of schemes / programs
- 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 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
- Providing Information on Important Agricultural Links on Himachal Pradesh
- Providing Information on Important Agricultural Links of India and World
- Providing Information on Agricultural Tourism
- Providing Information on ICAR Institutes
- Providing Information on Information on Agriculture Courses and Universities
- Providing Information on Information on Agri. Based Industry
- Providing Information on Information on Medicinal Plant
- Providing Information on Agriculture Product Marketing
- Providing Information on Employment

The Portal will also contain the following components:

- Grievance Management
- Expert Advisory System

Grievances Redressal Management and Expert Advisory System

2.3.1 As-Is Process

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

- Any individual in HP can send the Grievance at Department of Agriculture in the form of application or he can write the grievance at the official website of Himachal Pradesh (<http://himachal.nic.in/>)
- Further if the grievance is coming through the Portal, then it is redirected to the concerning department like the department of agriculture. Every department has given the timeline to solve the grievance and revert back to the Farmer.
- If the grievance is coming directly to the department of agriculture in the form of application on paper, then too, the department has to revert back with the solution to the farmer or redirect the grievance to the concerning local level authorities of the department of agriculture.

In Himachal Pradesh, there is no such Expert Advisory System for individual.

- Time to time the agriculture universities and department of agriculture uploads the GAP of different crops onto their website.

- As an individual, the farmer needs to contact Kisan Call Centre, Kisan Vigyan Kendra (KVKs) at district level and ADO at block level to solve their specific problems related to farming and agriculture.

Issues with Current System

- Process is manual
- All the complaints are coming to State Level Department of Agriculture and then it is segregating at various districts and block level
- 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.

2.3.2 Scope of Grievance Redressal Management System (GRM) and Expert Advisory (EA) System

The following basic components shall be considered in the GRM and EA systems:

- 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 a personalized advisory system for season specific , crop specific and location specific

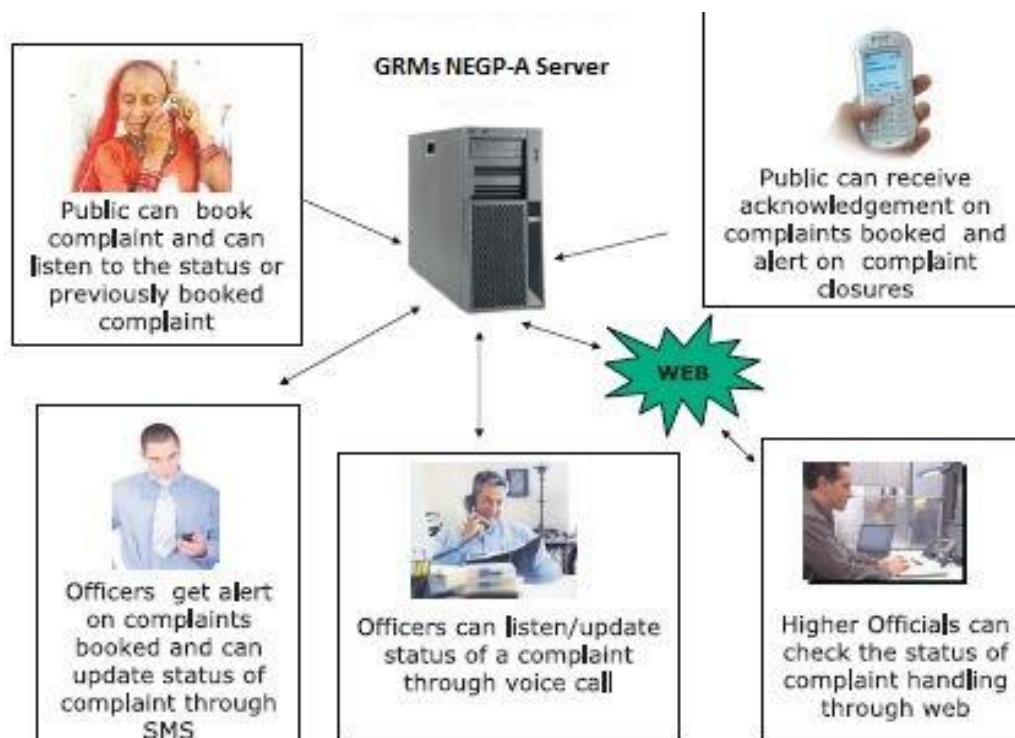
2.3.3 Proposed Solution

Based on above scope the proposed solution for GRM and EA can be envisaged suitable for A-MMPs. Following points will be considered in the development of GRM and EA 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 shall be adopted for GRM, irrespective of any cross platform issue among software modules of services.
- The grievances in GRM and EA are received from grass root level i.e. from the farmer-community across the country. 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 GRM and EA through multiple channels e-mail / Web interface / SMS /IVRS system.
- Provision to acknowledge the complainer by issuing complaint registration number through e-mail/SMS/IVRS/WEB Interface.
- The System will support Hindi and English languages
- Automatic generation of reminder / SMS alert to concern officer, if action has not been taken in specified time.
- Provision for delivery of advices specific to State / Region / Crop.
- The GRM and EA system shall be automatic, as much as possible with less human intervention except for submitting and updating grievances.
- Provision in GRM and EA shall be added for broadcasting of any specific / urgent information for farmers / Stakeholders / Government.
- Integration of GRM and EA with news channels / mass media for dissemination of information of advisory system, if required

2.3.4 Information Architecture of GRM –NeGPA



2.3.5 Expected Outcomes

- Easy interface to submit the grievances
- Effective monitoring of grievances

- Immediate dissemination of information to farmer and concerned user

2.3.6 Grievance Redressal Management Process Workflow

Process Flow for Grievance Redressal Management System

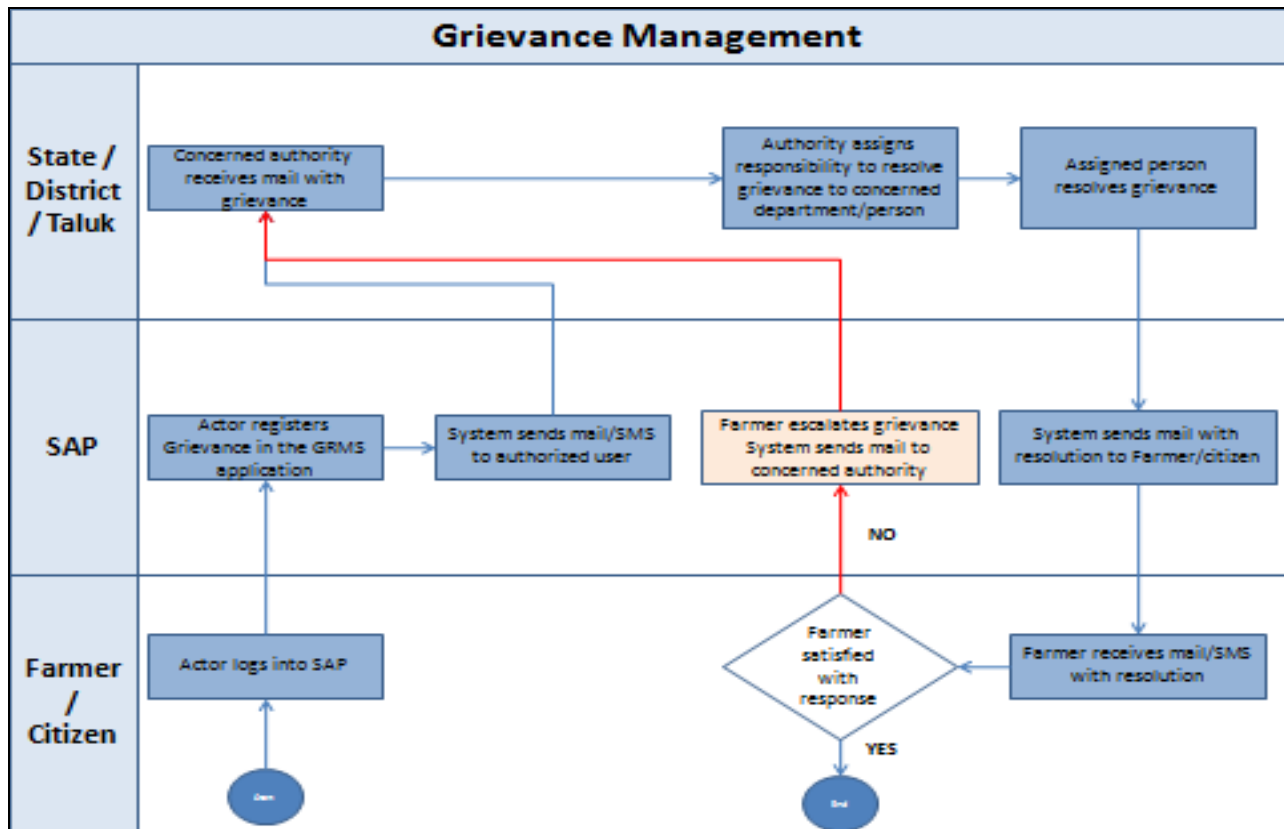


Fig Grievance Redressal Management System Process Flow

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

The State Agricultural Portal consists of the following components:

- Application Receipt Component
- Form Availability Component
- Information Component
- Status Tracking Component
- Delivery Component

From the State Agricultural Portal the Grievance is redirected to the District or Block Offices. The L1, L2 and L3 Officers then check the Validity of the Grievance and answer it accordingly.

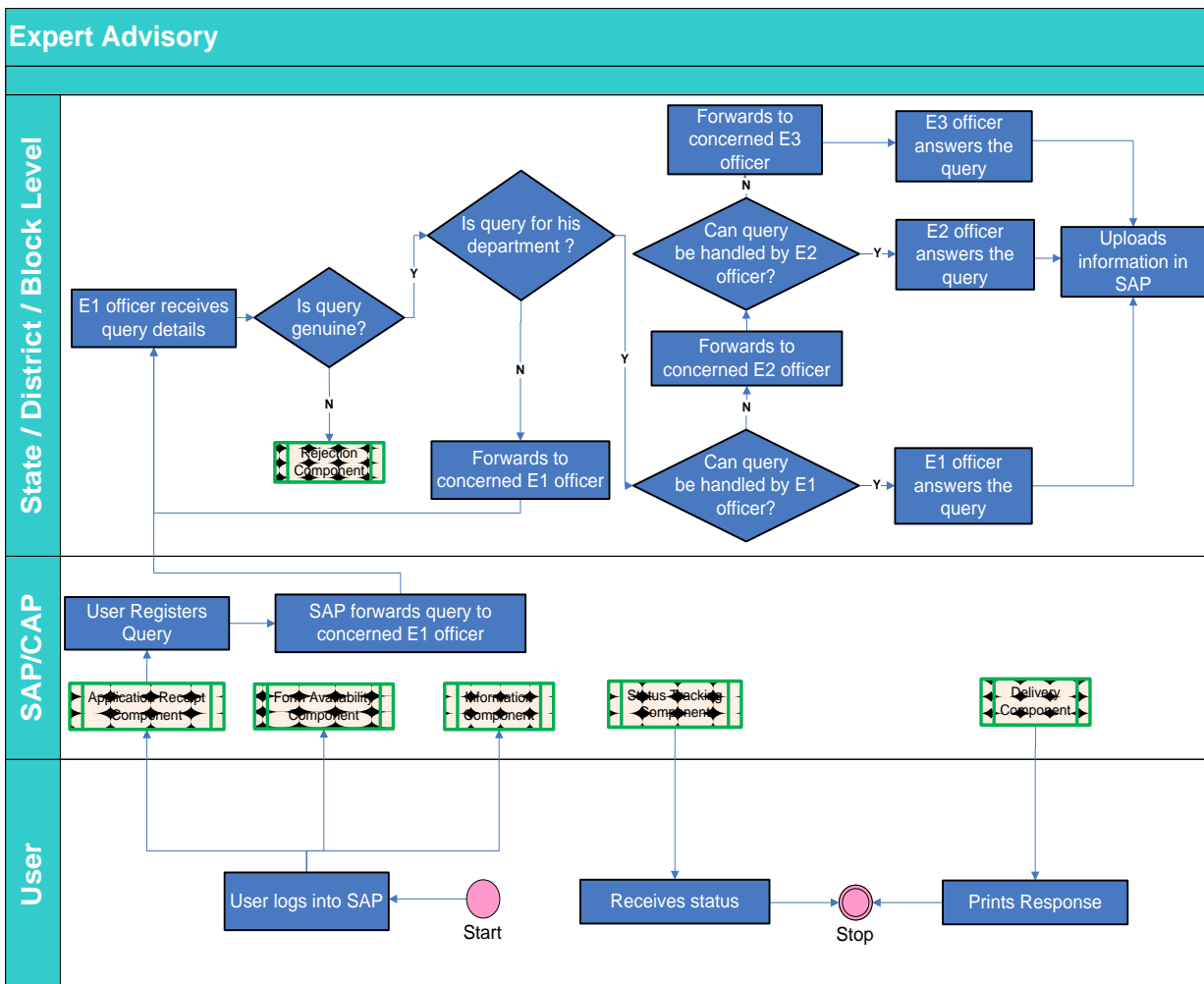
The User can Login any time and check the Status of his or her Grievance. He or she will also receive an email notification and an SMS alert once the Grievance is answered.

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

2.3.7 Expert Advisory Workflow

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.

Process Flow of the Expert Advisory System



Process of the Expert Advisory System

1. User logs into SAP and fills-up the form in Query Management Application
2. The module generates a unique reference number and intimates user about successful registration of query. It forwards query to the State Level.
3. From the State Level the query is redirected to the Level one office.

4. Level one office receives query details and checks the genuineness of the query
5. If query is not genuine, he will reject the request and upload information
6. If query is genuine, he will check for relevance of the query and if query is not for his department, he forwards query to concerned department's E1 officer
7. If E1 officer can resolve the query, he does so and uploads information on SAP. If he can't resolve the query, he forwards query to concerned E2 office.
8. If E2 officer can resolve the query, he does so and uploads information on SAP. If he can't resolve the query, he forwards query to concerned E3 officer.
9. E3 officer resolves the query and uploads the information on SAP.
10. User enquires about the status of query handling by entering reference number in the "status tracking" module of the application.
11. User views answers to his/her queries by providing his unique reference number.

3. SPECIFIC REQUIREMENTS

3.1 Users of State Agricultural Portal

Sl No.	Type of User	Description
1.	Visitors	Common Citizen to SAP
2.		Registered Visitor to CAP
3.	Content Contributors	Farmers <ol style="list-style-type: none"> a. Individual farmers b. Farmer groups c. Farmer cooperatives d. Common Citizen
4.		Central Government <ol style="list-style-type: none"> a. Department of Agriculture & Cooperation b. Attached Offices & Directorates c. Testing Labs d. Academic & Research Institutions
5.		State Government <ol style="list-style-type: none"> a. Department of Agriculture & Cooperation b. Attached Offices & Directorates c. Testing Labs d. Academic & Research Institutions
6.		Private Sector <ol 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 Centers e. Agri Business Clinics & Centers
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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 Himachal Pradesh Home page with or without mouse and keyboard.

It will be supported across different Operating System and browser.

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 related headings.

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.
- Different Sections covering Government, Citizen, Departments, Sectors, and Business. All these section 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
 - 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
 - Eg – Rabi crops in Himachal Pradesh are Wheat, Barley, Beans, Peas and Green vegetables. Between September to April, flash displays providing information on these crops can be provided.

- 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 changing 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
- 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

Common in all User Interfaces for Sections and Sub-Sections of State Agricultural Portal:

For sake of similarity, resemblance and identity across the entire State Agricultural Portal, all pages linked through the Portal Home page to Sections and Sub-Section 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

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 Sub-section 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 in mostly an area, subject or topic of an 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, mainly two types of links will be there. Content coming from the State Agricultural Portal repository will be termed as Internal Link and 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 over on the link.

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 at 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 platforms. 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 at the later stage of the project.

3.6 Product Functions

- Providing one stop information as per users perspectives on various topics like Farmers, Citizen, 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 in Agricultural and allied sector
- Facility of registering into the State Agricultural Portal for personalized viewing of the Portal.
- Latest news from Doordarshan and Press Information Bureau and weather.
- 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 Favorite, 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.

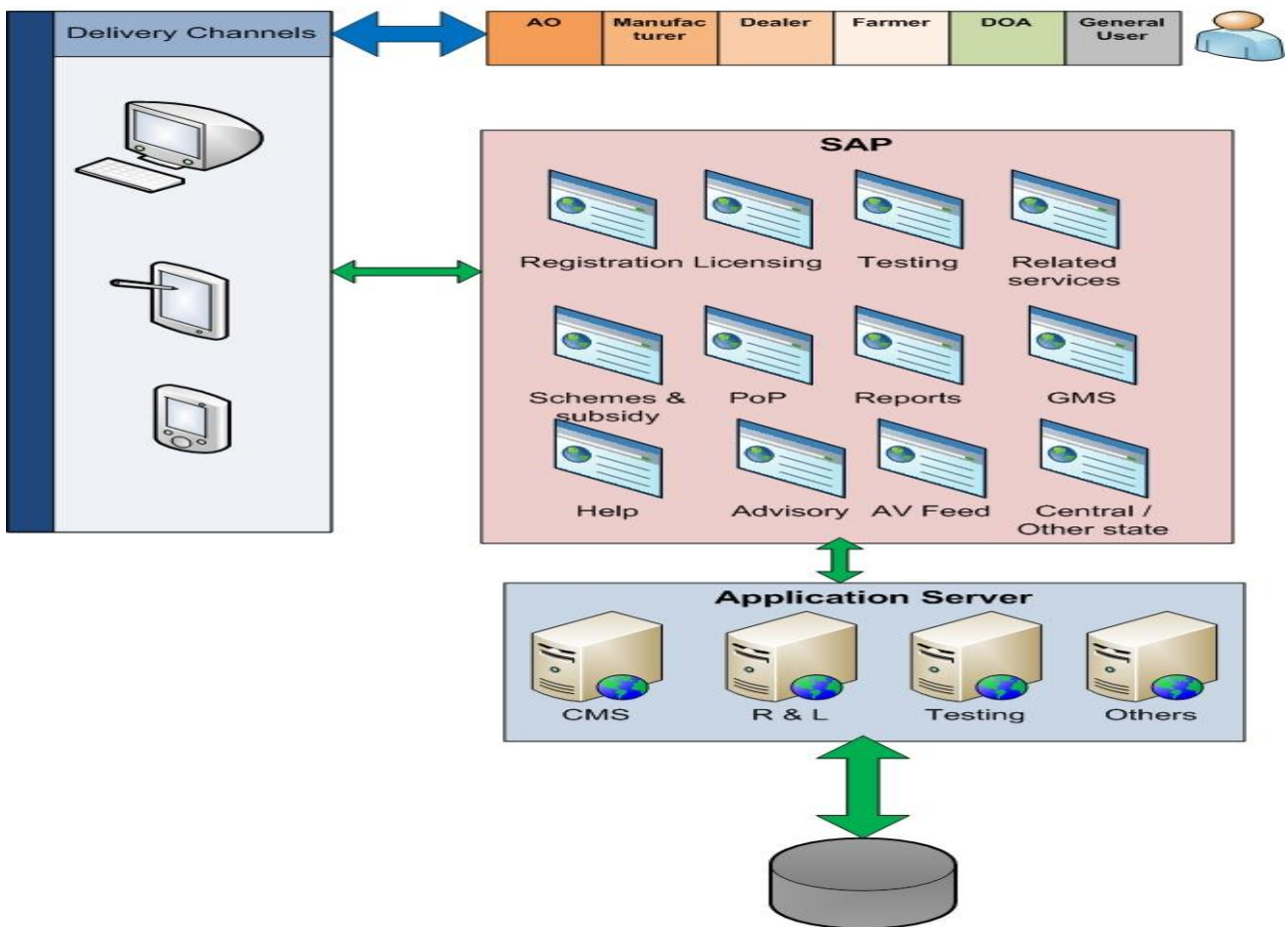
4. SPECIFIC REQUIREMENTS

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.

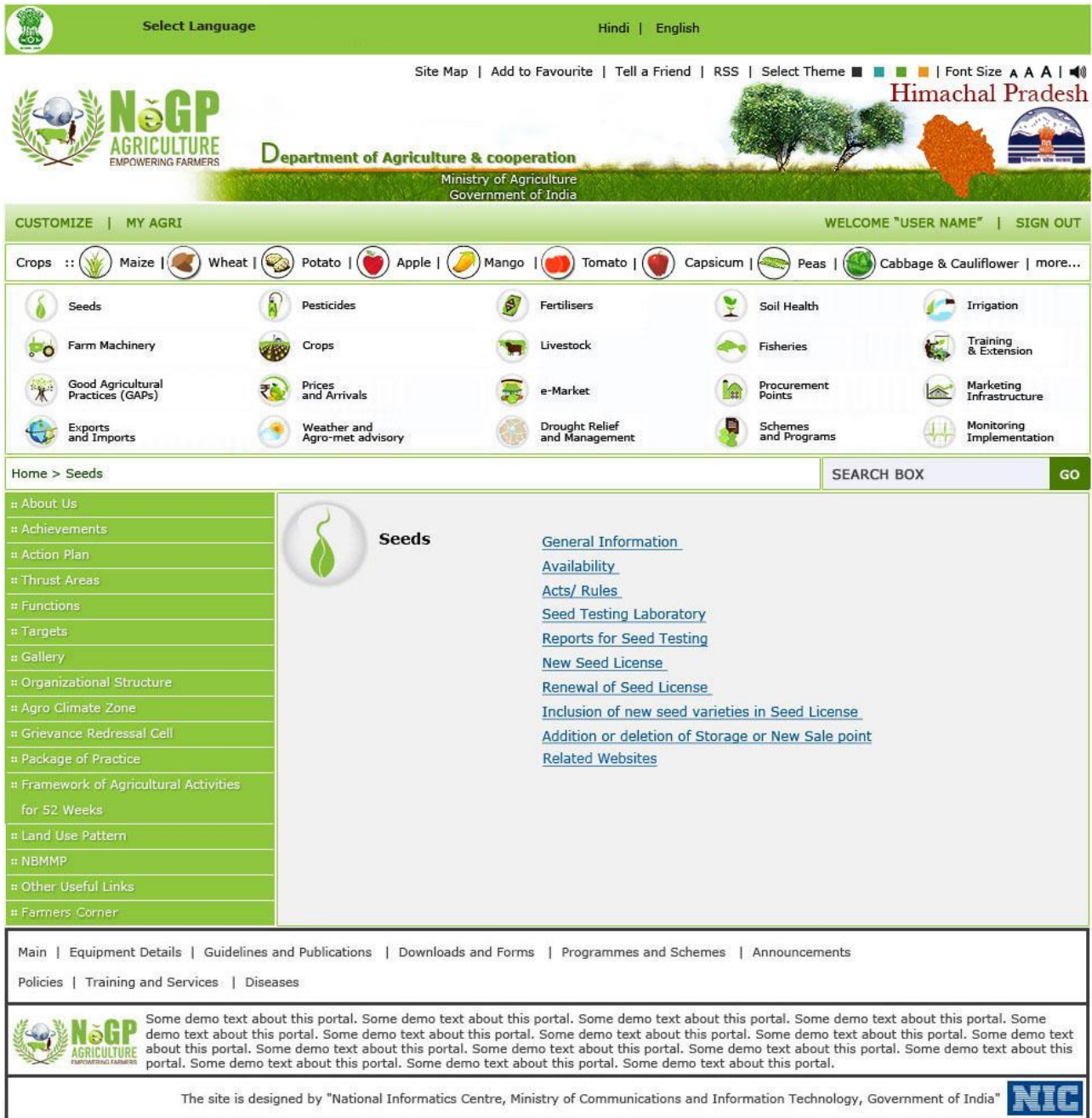
4.1.1 Home Page View

The Home page view of State Agriculture Portal is as shown below.

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

4.1.2 Seed Section View

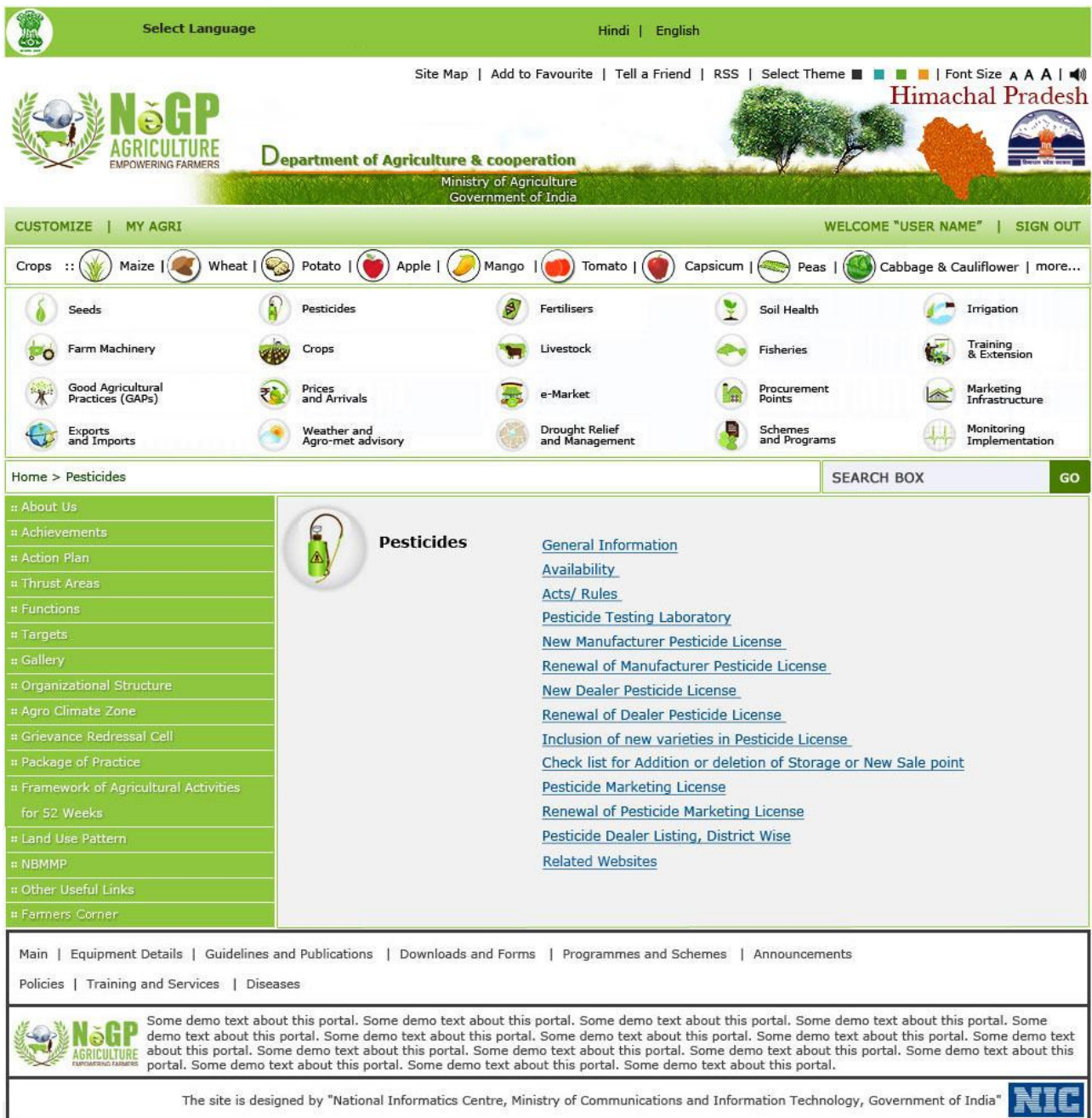
The Seed Section view of State Agriculture Portal is as shown below.



(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 Pesticide Section View

The Pesticide Section view of State Agriculture Portal is as shown below.



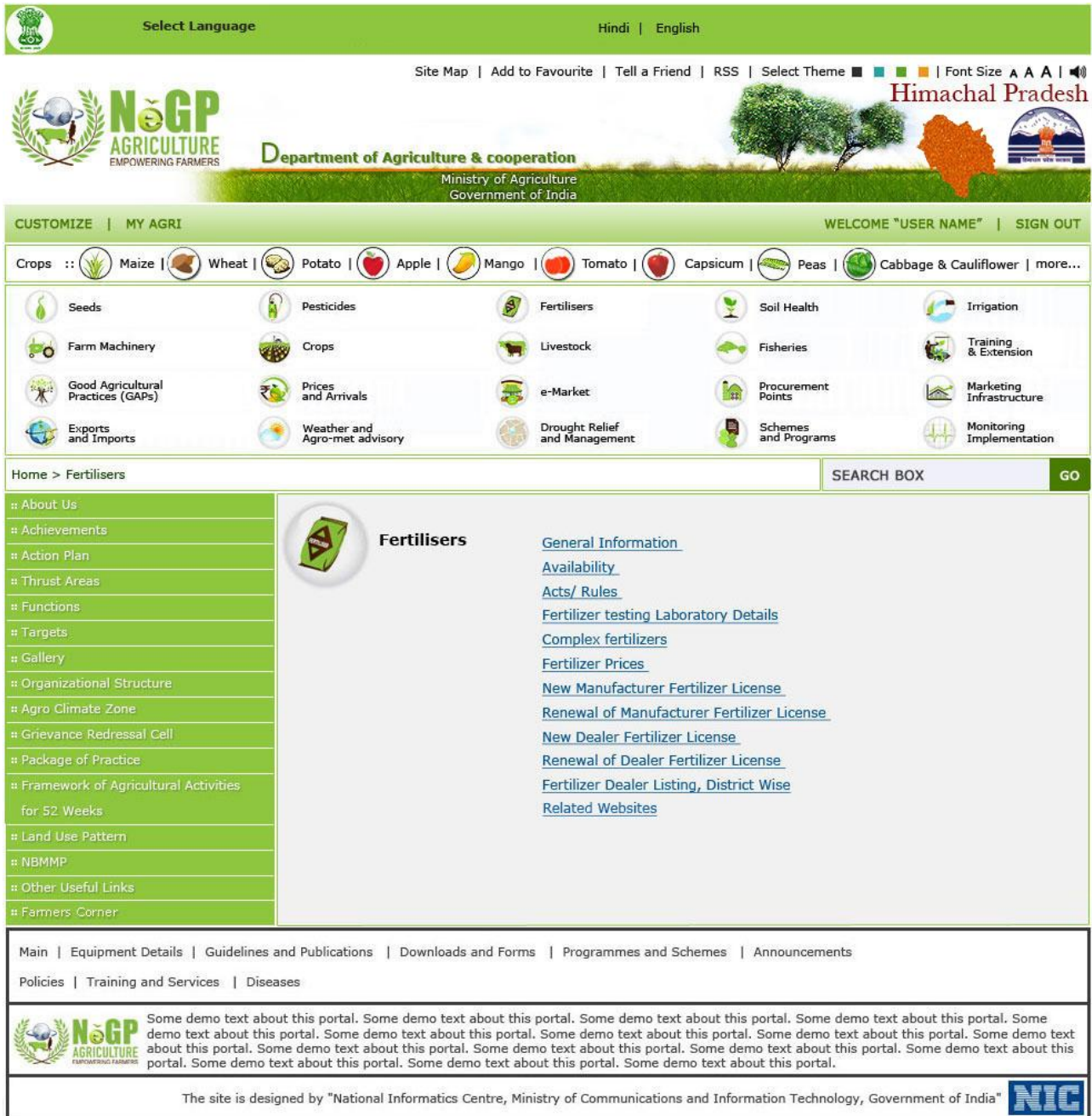
(This layout is not the exact form of visual representation of the SAP. It may be changed during the course of design)

4.1.4 Crops Section View

(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 Fertilizer Section View

The Fertilizer Section view of State Agriculture Portal is as shown below.



(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 Soil Health Section View

The Soil Health Section view of State Agriculture Portal is as shown below.



(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 4.2. The various sections are

- History
- ICAR Institutes
- Agriculture Courses and Universities
- Agro Based Industry
- Career
 - Vacancies at State Level
 - Vacancies at District Level
 - Vacancies at Block Level
- Farmer Corner
 - Farmer Registration
 - Update Static Information for Farmer
 - Update Dynamic Information for Farmer
 - Mail/SMS sent to farmer to update season information (Dynamic Information)
 - Registered Farmers List
 - Related Website
- Agriculture
 - Seeds
 - Dealer Network
 - Seed Stock & Pricing Information
 - Information on Seeds/Seed varieties
 - Area wise recommendations
 - Registration/ Licensing of Seed Growers
 - Seed Testing Laboratories
 - Seed Certification
 - Related Website
 - Fertilizer
 - Dealer Network
 - Prices and Availability

- Usage Guidelines
- Registration and Licensing
- Fertilizer Testing Laboratories
- FMS Application
- Related Website
- Pesticides
 - Dealer Network
 - Prices and Availability
 - Package of Practices
 - IPM Package of Practices
 - List of registered, banned, restricted pesticide for use
 - Pesticide banned for manufacture, import and use
 - Pesticide formulations banned for use but their manufacturing is allowed for export
 - Pesticide formulation banned for import, manufacture and use
 - Pesticide Withdrawn
 - List of Pesticide for which registration is rejected
 - List of Pesticide restricted for Use In India
 - List of designated inspectors for quality control
 - List of Pathogens/ Pests/ Disease/ Nematode/ Weed/ Disorder
 - Pest Category
 - Registration and Licensing
 - Pesticide Testing Laboratories
 - Related Web Sites
- Soil Health
 - Soil Testing Software
 - Irrigation Advice
 - Soil Types
 - Soil Testing Labs
 - Diseases and Remedial Measures
 - Soil Survey Map

- Crops
 - Agro Climate Features
 - Climate
 - Soil
 - Land Use Pattern
 - Water Resources
 - Crops and Cropping System
 - Cereal and Millet Crops
 - Transplanted rice
 - Direct Seeded rice
 - Summer Rice
 - System of rice intensification
 - Corn
 - Sweet Corn
 - Baby Corn
 - Pop Corn
 - Finger Millet
 - Wheat
 - Zero-till wheat
 - Surface seeded wheat
 - Barley
 - Grain legumes
 - Pigeon pea
 - Black gram
 - Lentil
 - Chick pea
 - Peas
 - Horse gram
 - Summer Moong
 - Oilseed Crops
 - Groundnut
 - Soybean

- Mustard
 - Toria
 - Linseed
 - Niger
 - Sesame
 - Safflower
- Tuber Crops
 - Potato (Winter)
 - Potato (Kharif)
 - T P S (True Potato Seed)
 - Sweet Potato
- Forage Crops
 - Deenanath grass
 - Berseem
 - Lucerne
 - Maize
 - Sorghum
 - Hybrid Napier
 - Oat
 - Cow Pea
 - Forage based cropping system
- Sugar Crops
 - Sugarcane
- Farm Machinery
 - Dealer Network
 - Price Information
 - Usage of Machinery
- Weather and Agro-met advisory
 - Agro-met Advisory
 - District AAS (Agro-met Advisory Services) Bulletin
 - Himachal Pradesh State Composite AAS Bulletin
 - All India AAS Bulletin

- Weekly AAS Summary
 - Monthly All India Weather and Crop Outlook
 - Annual Report of IAAS (Integrated Agro-met Advisory Services)
- Weather Forecast
 - Local Weather
 - District Level
 - Regional
 - All India
 - Severe Weather Warning
 - Long Range Forecast
- District Rainfall Maps
 - Weekly
 - Seasonal
- Temperature
 - Weekly
 - Monthly
- Weather Parameter
 - Cloudy
 - Humidity
 - Wind Speed
- Week Rainfall Probability
 - Assured Rainfall
 - Probability of Dry Spells
 - Probability of Wet Spells
- Harvesting Information
 - Nearest Procurement Points
 - Godowns
 - Transportation facilities available
 - Transportation Charges
 - Nearest markets
 - Market wise rates
- Exports/ Imports

- Farmers related
 - Importing/ Exporting Commodities
- Schemes and Programs
 - Central Government Schemes
 - State Government Schemes
 - Status of farmer's application
- Organic Farming
 - Information
 - Recommendation
- Irrigation Infrastructure
 - Schedule
 - Area Wise Information
- Drought Relief Information & Management
 - Meteorological Drought
 - Agricultural Drought
 - Hydrological Drought
 - Socio-economic Drought
 - General Contingency Plan for All Crops
- Fodder Availability
 - Area
 - Pricing
- Good Agricultural Practices
- Fisheries
- Livestock Management
- Horticulture
- Floriculture
- Downloadable Forms
- Grievance Management
 - New Grievance Registered
 - View Grievance and Take Action
 - Resolution of Grievance
 - Escalation of Grievance

- Expert Advisories System
 - Add New Query
 - Query Acceptance & Expert Advice
- FAQ
- Search
- Sitemap
- Contact Us
- Add to Favorite
- Tell A friend
- Latest News
- Feedback
- About this portal
- Help
- Terms of Use
- Visitor Summary
- News Letter
- Accessibility statement

4.3 State Agricultural Portal Functions

4.3.1 SAP Home page and Admin Section

4.3.1.1 Training and Extension Institutes

Scope: This activity enables the actor to access the application for Training and Extension Institutes

Use Case ID:	UC_SAP_1.1
Use Case Name:	Training and Extension Institutes

Actors:	Farmer / Citizen
Stake Holder:	Farmer / Citizen
Description:	This service aims at taking the actor to the information Training and Extension Institutes.
Trigger:	<ul style="list-style-type: none"> ▪ Actor click on State Agriculture Portal → Training and Extension Institutes
Pre conditions:	Actor should have opened the State Agriculture Portal
Post conditions:	About application opens
Input:	
Output:	

Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Important Information/ Training and Extension Institutes” 	System Responses <ul style="list-style-type: none"> ▪ System displays the Information about Training and Extension Institutes in Himachal Pradesh State.
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	Low	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Less	
Business Rules:	▪	
Special Requirements:		

4.3.1.2 Exports & Imports

Scope: This activity enables the actor to access the application for Import / Export

Use Case ID:	UC_SAP_1.2
Use Case Name:	Application for Exports & Imports

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Exports & Imports section	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Exports & Imports 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Exports & Imports section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Exports & Imports” link on home page of SAP ▪ Actor clicks on the option link on Exports & Imports Application. 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Exports & Imports” application and system presents following option: <ul style="list-style-type: none"> • Farmers related • Importing/Exporting Commodities • Actor is redirected to the information page of selected option.
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:		

4.3.1.3 Irrigation

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

Use Case ID:	UC_SAP_1.3
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 page of SAP ▪ Actor chooses the option from the given list. 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to "Irrigation" application and presents following options: <ul style="list-style-type: none"> • Schedule • Area Wise Information ▪ Actor is redirected to the information page of selected option.
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:	

4.3.1.4 Drought Relief Management

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

Use Case ID:	UC_SAP_1.4
Use Case Name:	Application for Drought Relief Information

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Drought Relief Information section	
Trigger:	▪ Actor clicks on State Agriculture Portal → Drought Relief Information	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Drought Relief Information section is loaded	
Input:		
Output:		
Normal Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Actor clicks on the “Drought Relief Information” link on home page of SAP ▪ Actor chooses the option from the presented list from the system. 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ Actor is redirected to “Drought Relief Information” application and presents the following options: <ul style="list-style-type: none"> • Meteorological Drought • Agricultural Drought • Hydrological Drought • Socio-economic Drought • General Contingency Plan for All Crops ▪ Actor is redirected to the information page of selected option.
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:	

4.3.1.5 Fisheries

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

Use Case ID:	UC_SAP_1.5
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:	▪ 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"> ▪ Actor clicks on the “Fisheries” link on home page of SAP ▪ Actor clicks on “Fisheries Related Information” 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Fisheries” application ▪ http://hpagrisnet.gov.in/fisheries/default.aspx opens in a new window
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:		

4.3.1.6 Livestock

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

Use Case ID:	UC_SAP_1.6
Use Case Name:	Application for Livestock

Actors:	Farmer / Citizen
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Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Livestock section	
Trigger:	<ul style="list-style-type: none"> ▪ 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:		

4.3.1.7 Downloadable Forms

Scope: This activity enables the actor to download forms

Use Case ID:	UC_SAP_1.7
Use Case Name:	Application to downloadable forms

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service enables the actor to downloadable forms	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Downloadable 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"> ▪ Actor clicks on the “Downloadable forms” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to page with list of forms with downloadable option
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:	▪	
Special Requirements:		

4.3.1.8 FAQ

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

Use Case ID:	UC_SAP_1.8
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 Frequently Asked Questions (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:	▪	
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:	

4.3.1.9 Search

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

Use Case ID:	UC_SAP_1.9
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:	▪ 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:		

4.3.1.10 Sitemap

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

Use Case ID:	UC_SAP_1.10
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:		

4.3.1.11 Contact Us

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

Use Case ID:	UC_SAP_1.11
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 State Agriculture Portal 	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 (Address / telephone number and e-mail address retrieved from database)

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:		

4.3.1.12 Add to Favorites

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

Use Case ID:	UC_SAP_1.12
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:	▪ 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"> ▪ Actor clicks on the "Add to Favorites" link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to "Add to Favorites" 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:	

4.3.1.13 Tell A Friend

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

Use Case ID:	UC_SAP_1.13
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 Search	
Trigger:	▪ 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:	▪	▪
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:		

4.3.1.14 What's New Section

Scope: This activity enables the actor to access the "Whats's New" Application

Use Case ID:	UC_SAP_1.14
Use Case Name:	Whats's New Section

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for What's New Section	
Trigger:	<ul style="list-style-type: none"> Actor clicks on State Agriculture Portal → What's New Section 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Latest News 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. The content for this section is managed by users with privileges. This section is displayed only post publishing.
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:		

4.3.1.15 Feedback

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

Use Case ID:	UC_SAP_1.15
Use Case Name:	Application for Feedback

Actors:	Farmer / Citizen
Stake Holder:	Farmer / Citizen
Description:	This service aims at taking the actor to application for Feedback
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 ▪ Interface with following field is provided <ul style="list-style-type: none"> • Department • Section • Comments • Option to Submit
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:		

4.3.1.16 About Us

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

Use Case ID:	UC_SAP_1.16
Use Case Name:	Application for “About Us”

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for “About Us”	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → About Us 	
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 Content is already managed and published for this page by authorized 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:		

4.3.1.17 Help

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

Use Case ID:	UC_SAP_1.17
Use Case Name:	Application for Help

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for Help	
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 	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:		

4.3.1.18 Right to Information

Scope: This activity enables the actor to access the “Right to Information” Application

Use Case ID:	UC_SAP_1.18
Use Case Name:	Application for Right to Information

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to application for “Right to Information”	
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:	<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:		

4.3.1.19 Flash season specific Information

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

Use Case ID:	UC_SAP_1.19
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:	<ul style="list-style-type: none"> ▪ 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"> ▪ 	System Responses <ul style="list-style-type: none"> ▪ System displays information relevant to Crop for the season in this section. ▪ Database is fed with inputs for <ul style="list-style-type: none"> • Seasons • Crops for the season • Information to be displayed
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:		

4.3.1.20 Related Websites

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

Use Case ID:	UC_SAP_1.26
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 the users
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on "Department of Agriculture, Fisheries, animal husbandry, horticulture" → "Related Websites"
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have access to the State Agriculture Portal
Post conditions:	Related websites should be displayed
Input:	▪
Output:	

Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor logs into the portal and selects “Related Website” ▪ Actor clicks on “Yashwant Singh Parmar University of Horticulture and Forestry ePortal” ▪ Actor clicks on “Agriculture Related Information” ▪ Actor clicks on “Animal Husbandry Related Information” ▪ Actor clicks on “Fisheries Related Information” ▪ Actor clicks on “Horticulture Related Information” ▪ Actor clicks on “SAMETI” ▪ Actor clicks on “DACNET” ▪ Actor clicks on “Himachal Pradesh Official Website” 	System Responses <ul style="list-style-type: none"> ▪ Related websites list is displayed ▪ http://www.yspuniversity.ac.in opens in new window ▪ http://hpagrisnet.gov.in/agriculture opens in a new window ▪ http://hpagrisnet.gov.in/animal-husbandry/default.aspx opens in a new window ▪ http://hpagrisnet.gov.in/fisheries/default.aspx opens in a new window ▪ http://hpagrisnet.gov.in/horticulture/default.aspx opens in a new window ▪ http://sametihp.com opens in a new window ▪ http://dacnet.nic.in/ opens in a new window ▪ http://himachal.nic.in/welcome.asp opens in a new window
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:		

4.3.2 Seed Section

4.3.2.1 Link to Seed Application

Scope: This activity enables the actor to access the Seed Application of Department of Agriculture

Use Case ID:	UC_SAP_2.1
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 application	
Trigger:	<ul style="list-style-type: none"> Actor clicks on State Agriculture Portal → Department of Agriculture → 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:		

4.3.2.2 Availability Section

Scope: This activity enables the actor to view the Availability Section

Use Case ID:	UC_SAP_2.2
Use Case Name:	Availability Section

Actors:	Farmer / Citizen
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Stake Holder:	Citizens / Farmers	
Description:	This service aims at providing the actor with list of dealers for seeds	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on Seeds Section → Availability Section 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active ▪ Master information of State, district, dealers will be present in the system. 	
Post conditions:	Dealers list 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 Section” 	System Responses <ul style="list-style-type: none"> ▪ List with following fields is displayed <ul style="list-style-type: none"> ○ District ○ Taluk ○ Block ○ Product category ○ Dealer Name ○ Office address ○ Phone Number 1 ○ Phone Number 2 ○ License Number ○ License Validity
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Filter options to be provided <ul style="list-style-type: none"> • District • Taluk • Block • Product category 	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:	<ul style="list-style-type: none"> ▪ 	
Notes and Issues:	<ul style="list-style-type: none"> ▪ . 	

4.3.2.3 New Seed License for Seeds

Scope: This activity enables the actor to register as dealer for Seeds and apply for license

Use Case ID:	UC_ SAP_2.3
Use Case Name:	New Seed License for seeds

Actors:	Dealer	
Stake Holder:	Dealer	
Description:	This service enables the actor to register and apply for licenses	
Trigger:	<ul style="list-style-type: none"> Actor clicks on "Seeds Section → Registration / New Seed License" 	
Pre conditions:	<ul style="list-style-type: none"> Actor should have portal window active 	
Post conditions:	Redirected to Registration / Licensing functionality	
Input:	<ul style="list-style-type: none"> 	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> Actor clicks on "New Seed License" 	System Responses <ul style="list-style-type: none"> Actor is redirected to the Registration / 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 Registration/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:		

4.3.2.4 Renewal of Seed License

Scope: This activity enables the actor to Renewal for Seeds license

Use Case ID:	UC_SAP_2.4
Use Case Name:	Renewal of Seed License

Actors:	Dealer	
Stake Holder:	Dealer	
Description:	This service enables the actor to register and apply for licenses	
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 portal window active 	
Post conditions:	Redirected to Registration / Licensing functionality	
Input:	<ul style="list-style-type: none"> 	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> Actor clicks on "Renewal of Seed License" 	System Responses <ul style="list-style-type: none"> Actor is redirected to Renewal of Seed License

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 Registration/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:		

4.3.2.5 Seed Testing Laboratories

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

Use Case ID:	UC_SAP_2.5
Use Case Name:	List of Seed Testing Laboratories

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service enables the actor to view the Seed Testing Laboratories	
Trigger:	▪ Actor clicks on "Seeds Section → Seed Testing Laboratories"	
Pre conditions:	▪ Actor should have portal window active	
Post conditions:	List of Seed Testing Laboratories to be displayed	
Input:	▪	
Output:		
Normal Flow:	Actor Actions ▪ Actor clicks on "Seed Testing Laboratories"	System Responses ▪ List of Seed Testing Laboratories is displayed • Lab Name • Address • Contact Person • Contact Number
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		

UI: required/not required	Required
Priority: Low/medium/high	High
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	▪
Special Requirements:	

4.3.2.6 Seeds General Information

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

Use Case ID:	UC_SAP_2.6
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:	▪ 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:	▪	
Output:		
Normal Flow:	Actor Actions Actor clicks on “General Information” link in the seed section of the SAP	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the general Information 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:	▪	
Special Requirements:		
Assumptions:	▪	
Dependency:		
Notes and Issues:	▪	

4.3.2.7 Seeds Acts/Rules

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

Use Case ID:	UC_SAP_2.7
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:	<ul style="list-style-type: none"> ▪ 	
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"> ▪ 	

4.3.2.8 Inclusion of New Seed Varieties in Seed License

Scope: This activity enables the actor to Include New Seed Varieties in Seed License

Use Case ID:	UC_SAP_2.8
Use Case Name:	Inclusion of New Seed Varieties in Seed License

Actors:	Farmer / Citizen
Stake Holder:	Citizens / Farmers
Description:	This service aims at providing the actor with Acts/Rules for Seeds

Trigger:	▪ Actor clicks on “Seeds Section → Inclusion of New Seed Varieties in Seed License”	
Pre conditions:	▪ Actor should have portal window active	
Post conditions:	Seeds Acts/Rules page to be displayed to actor	
Input:	▪	
Output:		
Normal Flow:	Actor Actions Actor accesses the portal and clicks on “Inclusion of New Seed Varieties in Seed License” link in the seed section of SAP	System Responses ▪ Actor is redirected to the “Inclusion of New Seed Varieties in Seed License” page of the seed section
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		
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:	▪	

4.3.2.9 Addition or Deletion of Storage or New Sale point

Scope: This activity enables the actor to Add or Delete the Storage or New Sale point

Use Case ID:	UC_ SAP_ 2.9
Use Case Name:	Addition or Deletion of Storage or New Sale point

Actors:	Farmer / Citizen	
Stake Holder:	Citizens / farmers	
Description:	This service aims at providing the actor with Addition or Deletion of Storage or New Sale point	
Trigger:	▪ Actor clicks on “Seeds Section → Addition or Deletion of Storage or New Sale point”	
Pre conditions:	▪ Actor should have portal window active	
Post conditions:	Seeds Acts/Rules page to be displayed to actor	
Input:	▪	
Output:		
Normal Flow:	Actor Actions Actor accesses the portal and clicks on “Addition or Deletion of Storage or New Sale point” link in the seed section of SAP	System Responses ▪ Actor is redirected to the “Addition or Deletion of Storage or New Sale point” page of the seed section

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		
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:	▪	

4.3.2.10 Related Websites

Scope: This activity enables the actor to view the links/websites related to Seed section

Use Case ID:	UC_ SAP_ 2.10
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 Seeds section	
Trigger:	▪ Actor clicks on "Department of Agriculture" → "Seeds Section" → "Related Websites"	
Pre conditions:	▪ Actor should have State Agriculture Portal open in web browser and navigated to Department of Agriculture	
Post conditions:	Related websites should be displayed	
Input:	▪	
Output:		
Normal Flow:	Actor Actions ▪ Actor logs into the portal and selects "Related Website" ▪ Actor clicks on "Seednet Portal"	System Responses ▪ Related websites list is displayed ▪ http://seednet.gov.in/ opens in new window
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:		

4.3.3 Fertilizer Section

4.3.3.1 Link to Fertilizer Section

Scope: This activity enables the actor to access the Fertilizer application of Department of Agriculture

Use Case ID:	UC_SAP_3.1
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 section	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Department of Agriculture → 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 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 "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:	▪	
Special Requirements:		

4.3.3.2 Dealer Network

Scope: This activity enables the actor to view the list of dealers/distributors for fertilizers

Use Case ID:	UC_SAP_3.2
Use Case Name:	Dealers List

Actors:	Farmer / Citizen	
Stake Holder:	Citizens / Farmers	
Description:	This service aims at providing the actor with list of dealers for fertilizers	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on "Fertilizers Section → Dealer List" 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active 	
Post conditions:	Dealers list to be displayed	
Input:	▪	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on "Dealer List" 	System Responses <ul style="list-style-type: none"> ▪ List with following fields is displayed <ul style="list-style-type: none"> ○ District ○ Taluk ○ Block ○ Product category ○ Brand Names ○ Dealer Name ○ Office address ○ Phone Number 1 ○ Phone Number 2 ○ License Number ○ License Validity

Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Filter options to be provided <ul style="list-style-type: none"> • District • Taluk • 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:		

4.3.3.3 Pricing And Availability

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

Use Case ID:	UC_SAP_3.3
Use Case Name:	Price List

Actors:	Farmer / Citizen
Stake Holder:	Citizens / Farmers
Description:	This service aims at providing the actor with prices for fertilizer and area wise availability
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on "Fertilizers Section → Pricing information"
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active
Post conditions:	Price list for fertilizers to be displayed
Input:	▪
Output:	

Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on “Pricing Information” 	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 ○ Taluk ○ Block
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Filter options to be provided <ul style="list-style-type: none"> • District • Taluk • 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:		

4.3.3.4 Usage Guidelines

Scope: This activity enables the actor to view area wise recommendations for fertilizers to be used

Use Case ID:	UC_SAP_3.4
Use Case Name:	Usage Guidelines

Actors:	Farmer / Citizen
Stake Holder:	Citizens / Farmers
Description:	This service aims at providing the actor with recommendations for various areas of HP
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on “Fertilizer Section → Usage Guidelines”
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active
Post conditions:	Area wise recommendation page to be displayed to actor
Input:	▪

Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor accesses the portal and clicks on “Usage Guidelines” 	System Responses <ul style="list-style-type: none"> ▪ List with following fields is displayed <ul style="list-style-type: none"> ○ District ○ Taluk ○ Crops grown ○ Fertilizers recommended (stage-wise for crop) ○ Specified quantity / defined area (Ex - Kg/hectare) ○ Supplier
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Filter options to be provided <ul style="list-style-type: none"> • District • Taluk • Fertilizers • Stage of crops cycle 	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:		

4.3.3.5 Registration/Licensing

Scope: This activity enables the actor to view register and apply for license to manufacture/distribute fertilizers

Use Case ID:	UC_SAP_3.5
Use Case Name:	Registration / License for fertilizers

Actors:	Farmer / Dealer / Manufacturer
Stake Holder:	Farmer / Dealer / Manufacturer
Description:	This service enables the actor to register and apply for licenses
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on “Fertilizer Section → Registration / License”
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active
Post conditions:	Redirected to Registration / Licensing functionality
Input:	▪
Output:	

Normal Flow:	Actor Actions <ul style="list-style-type: none"> Actor clicks on “Registration/License” 	System Responses <ul style="list-style-type: none"> Actor is redirected to the Registration / 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 Registration/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:		

4.3.3.6 Fertilizer Testing Laboratories

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

Use Case ID:	UC_SAP_3.6
Use Case Name:	List of Fertilizer Testing Laboratories

Actors:	Farmer / Dealer	
Stake Holder:	Farmer / Dealer	
Description:	This service enables the actor to view the Fertilizer Testing Labs in the state	
Trigger:	<ul style="list-style-type: none"> Actor clicks on “Fertilizer Section → Fertilizer 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 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 “Fertilizer Testing Laboratories” 	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:		

4.3.3.7 FMS Application

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

Use Case ID:	UC_SAP_3.7
Use Case Name:	FMS Application

Actors:	Farmer / Citizen / Officials at Department of Agriculture	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at providing the actor access to FMS application	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on "Fertilizer Section" → "FMS Application" 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have State Agriculture Portal open in web browser 	
Post conditions:	<ul style="list-style-type: none"> ▪ Actors authorized to access FMS application should be able to access it 	
Input:	▪	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on "FMS Application" 	System Responses <ul style="list-style-type: none"> ▪ FMS Application opens in new window (web application being developed by NIC – link not available)
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:	

4.3.3.8 Fertilizer General Information

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

Use Case ID:	UC_SAP_3.8
Use Case Name:	Fertilizer General Information

Actors:	Farmer / Citizen	
Stake Holder:	Citizens / Farmers	
Description:	This service aims at providing the actor with General Information for Fertilizer	
Trigger:	▪ Actor clicks on Fertilizer 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:	Fertilizer general information to be displayed	
Input:	▪	
Output:		
Normal Flow:	Actor Actions Actor clicks on “General Information” link in the Fertilizer section of the SAP	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the general Information page of the Fertilizer 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:	▪	

4.3.3.9 Complex Fertilizers

Scope: This activity enables the actor to view the list of Complex Fertilizers

Use Case ID:	UC_SAP_3.9
Use Case Name:	Complex Fertilizers Information

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

4.3.3.10 New Manufacturer Fertilizer License

Scope: This activity enables the actor to Create New Manufacturer Fertilizer License

Use Case ID:	UC_SAP_3.10
Use Case Name:	New Manufacturer Fertilizer License

Actors:	Department of Agriculture	
Stake Holder:	Manufacturer	
Description:	This service aims at providing the actor to create New Manufacturer Fertilizer License	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on Fertilizer Section → New Manufacturer Fertilizer License 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active ▪ Information for Complex fertilizers will be present in the system. 	
Post conditions:	New Manufacturer Fertilizer License Created	

Input:	▪	
Output:		
Normal Flow:	Actor Actions Actor clicks on “New Manufacturer Fertilizer License” link in the Fertilizer section of the SAP	System Responses ▪ Actor is redirected to the New Manufacturer Fertilizer License page of the Fertilizer section
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		
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:	▪	

4.3.3.11 Renewal of Manufacturer Fertilizer License

Scope: This activity enables the actor to renew the Manufacturer Fertilizer License

Use Case ID:	UC_SAP_3.11
Use Case Name:	Renewal of Manufacturer Fertilizer License

Actors:	Department of Agriculture	
Stake Holder:	Manufacturer	
Description:	This service aims at providing the actor to Renew Manufacturer Fertilizer License	
Trigger:	▪ Actor clicks on Fertilizer Section → Renewal of Manufacturer Fertilizer License	
Pre conditions:	▪ Actor should have portal window active ▪ Information for Complex fertilizers will be present in the system.	
Post conditions:	Renewal of Manufacturer Fertilizer License happened	
Input:	▪	
Output:		
Normal Flow:	Actor Actions Actor clicks on “Renewal of Manufacturer Fertilizer License” link in the Fertilizer section of the SAP	System Responses ▪ Actor is redirected to the Renewal of Manufacturer Fertilizer License page of the Fertilizer 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:	▪	

4.3.3.12 New Dealer Fertilizer License

Scope: This activity enables the actor to Create New Dealer Fertilizer License

Use Case ID:	UC_SAP_3.12
Use Case Name:	New Dealer Fertilizer License

Actors:	Manufacturer	
Stake Holder:	Dealers	
Description:	This service aims at providing the actor to create New Dealer Fertilizer License	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on Fertilizer Section → New Dealer Fertilizer License 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active ▪ Information for Complex fertilizers will be present in the system. 	
Post conditions:	New Dealer Fertilizer License Created	
Input:	▪	
Output:		
Normal Flow:	Actor Actions Actor clicks on "New Dealer Fertilizer License" link in the Fertilizer section of the SAP	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the New Dealer Fertilizer License page of the Fertilizer 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:	▪

4.3.3.13 Renewal of Dealer Fertilizer License

Scope: This activity enables the actor to renew the Dealer Fertilizer License

Use Case ID:	UC_SAP_3.13
Use Case Name:	Renewal of Dealer Fertilizer License

Actors:	Farmer / Citizen	
Stake Holder:	Citizens / Farmers	
Description:	This service aims at providing the actor to Renew Dealer Fertilizer License	
Trigger:	▪ Actor clicks on Fertilizer Section → Renewal of Dealer Fertilizer License	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active ▪ Information for Complex fertilizers will be present in the system. 	
Post conditions:	Renewal of Dealer Fertilizer License happened	
Input:	▪	
Output:		
Normal Flow:	Actor Actions Actor clicks on “Renewal of Dealer Fertilizer License” link in the Fertilizer section of the SAP	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the Renewal of Dealer Fertilizer License page of the Fertilizer 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:	▪

4.3.3.14 Related Websites

Scope: This activity enables the actor to view the links/websites related to Fertilizer section

Use Case ID:	UC_SAP_3.14
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 Fertilizer section	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on “Department of Agriculture” → “Fertilizer Section” → “Related Websites” 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have State Agriculture Portal open in web browser and navigated to Department of Agriculture 	
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 “FMS Application” ▪ Actor clicks on “Fertilizer Control Order” 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ Related websites list is displayed ▪ FMS Application opens in new window (web application being developed by NIC – link not available) ▪ http://www.agricoop.nic.in/sublegi/FertilizerControlOrder.htm 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:		

4.3.4 Pesticide Section

4.3.4.1 Pesticides Section

Scope: This activity enables the actor to access the Pesticides application of Department of Agriculture

Use Case ID:	UC_SAP_4.1
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:		

4.3.4.2 Pesticides General Information

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

Use Case ID:	UC_SAP_4.2
Use Case Name:	Pesticides General Information

Actors:	Farmer / Citizen	
Stake Holder:	Citizens / Farmers	
Description:	This service aims at providing the actor with General Information for 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 Pesticide section of the SAP	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the general Information page of the Pesticide 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"> ▪ 	

4.3.4.3 Dealer Network

Scope: This activity enables the actor to view the list of dealers/distributors for pesticides

Use Case ID:	UC_SAP_4.3
Use Case Name:	Dealers Network

Actors:	Farmer / Citizen
Stake Holder:	Citizens / Farmers
Description:	This service aims at providing the actor with list of dealers for pesticides
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on “Pesticides Section → Dealer List”

Pre conditions:	▪ Actor should have portal window active	
Post conditions:	Dealers list to be displayed	
Input:	▪	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on “Dealer List” 	System Responses <ul style="list-style-type: none"> ▪ List with following fields is displayed <ul style="list-style-type: none"> ○ District ○ Taluk ○ Block ○ Product category ○ Brand Names ○ Dealer Name ○ Office address ○ Phone Number 1 ○ Phone Number 2 ○ License Number ○ License Validity
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Filter options to be provided <ul style="list-style-type: none"> • District • Taluk • 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:		

4.3.4.4 Pricing And Availability

Scope: This activity enables the actor to view the prices for pesticides

Use Case ID:	UC_SAP_4.4
Use Case Name:	Pricing And Availability
Actors:	Farmer / Citizen

Stake Holder:	Citizens / Farmers	
Description:	This service aims at providing the actor with prices for pesticides	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on “Pesticides Section → Pricing information” 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active 	
Post conditions:	Price list 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 “Pricing Information” 	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 ○ Taluk ○ Block
Alternative Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Filter options to be provided <ul style="list-style-type: none"> ● District ● Taluk ● 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:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		

4.3.4.5 New Manufacturer Pesticide License

Scope: This activity enables the actor to Create New Manufacturer Pesticide License

Use Case ID:	UC_SAP_4.5
Use Case Name:	New Manufacturer Pesticide License
Actors:	Department of Agriculture
Stake Holder:	Manufacturer

Description:	This service aims at providing the actor to create New Manufacturer Pesticide License	
Trigger:	<ul style="list-style-type: none"> Actor clicks on Pesticide Section → New Manufacturer Pesticide License 	
Pre conditions:	<ul style="list-style-type: none"> Actor should have portal window active Information for Complex Pesticides will be present in the system. 	
Post conditions:	New Manufacturer Pesticide License Created	
Input:	<ul style="list-style-type: none"> 	
Output:		
Normal Flow:	Actor Actions Actor clicks on “New Manufacturer Pesticide License” link in the Pesticide section of the SAP	System Responses <ul style="list-style-type: none"> Actor is redirected to the New Manufacturer Pesticide License page of the Pesticide 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"> 	

4.3.4.6 Renewal of Manufacturer Pesticide License

Scope: This activity enables the actor to renew the Manufacturer Pesticide License

Use Case ID:	UC_ SAP_ 4.6
Use Case Name:	Renewal of Manufacturer Pesticide License

Actors:	Department of Agriculture
Stake Holder:	Manufacturer
Description:	This service aims at providing the actor to Renew Manufacturer Pesticide License
Trigger:	<ul style="list-style-type: none"> Actor clicks on Pesticide Section → Renewal of Manufacturer Pesticide License
Pre conditions:	<ul style="list-style-type: none"> Actor should have portal window active Information for Complex Pesticides will be present in the system.
Post conditions:	Renewal of Manufacturer Pesticide License happened
Input:	<ul style="list-style-type: none">
Output:	

Normal Flow:	Actor Actions Actor clicks on “Renewal of Manufacturer Pesticide License” link in the Pesticide section of the SAP	System Responses <ul style="list-style-type: none"> Actor is redirected to the Renewal of Manufacturer Pesticide License page of the Pesticide 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"> 	

4.3.4.7 New Dealer Pesticide License

Scope: This activity enables the actor to Create New Dealer Pesticide License

Use Case ID:	UC_SAP_4.7
Use Case Name:	New Dealer Pesticide License

Actors:	Manufacturer	
Stake Holder:	Dealers	
Description:	This service aims at providing the actor to create New Dealer Pesticide License	
Trigger:	<ul style="list-style-type: none"> Actor clicks on Pesticide Section → New Dealer Pesticide License 	
Pre conditions:	<ul style="list-style-type: none"> Actor should have portal window active Information for Complex Pesticides will be present in the system. 	
Post conditions:	New Dealer Pesticide License Created	
Input:	<ul style="list-style-type: none"> 	
Output:		
Normal Flow:	Actor Actions Actor clicks on “New Dealer Pesticide License” link in the Pesticide section of the SAP	System Responses <ul style="list-style-type: none"> Actor is redirected to the New Dealer Pesticide License page of the Pesticide 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:	▪	

4.3.4.8 Renewal of Dealer Pesticide License

Scope: This activity enables the actor to renew the Dealer Pesticide License

Use Case ID:	UC_SAP_4.8
Use Case Name:	Renewal of Dealer Pesticide License

Actors:	Manufacturer	
Stake Holder:	Dealer	
Description:	This service aims at providing the actor to Renew Dealer Pesticide License	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on Pesticide Section → Renewal of Dealer Pesticide License 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active ▪ Information for Complex Pesticides will be present in the system. 	
Post conditions:	Renewal of Dealer Pesticide License happened	
Input:	▪	
Output:		
Normal Flow:	Actor Actions Actor clicks on "Renewal of Dealer Pesticide License" link in the Pesticide section of the SAP	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the Renewal of Dealer Pesticide License page of the Pesticide 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:	▪

4.3.4.9 New Marketing Pesticide License

Scope: This activity enables the actor to Create New Marketing Pesticide License

Use Case ID:	UC_SAP_4.9
Use Case Name:	New Marketing Pesticide License

Actors:	Dealer	
Stake Holder:	Marketing Agency	
Description:	This service aims at providing the actor to create New Marketing Pesticide License	
Trigger:	▪ Actor clicks on Pesticide Section → New Marketing Pesticide License	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active ▪ Information for Complex Pesticides will be present in the system. 	
Post conditions:	New Marketing Pesticide License Created	
Input:	▪	
Output:		
Normal Flow:	Actor Actions Actor clicks on “New Marketing Pesticide License” link in the Pesticide section of the SAP	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the New Marketing Pesticide License page of the Pesticide 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:	▪

4.3.4.10 Renewal of Marketing Pesticide License

Scope: This activity enables the actor to renew the Marketing Pesticide License

Use Case ID:	UC_SAP_4.10
Use Case Name:	Renewal of Marketing Pesticide License

Actors:	Dealer	
Stake Holder:	Marketing Agency	
Description:	This service aims at providing the actor to Renew Marketing Pesticide License	
Trigger:	▪ Actor clicks on Pesticide Section → Renewal of Marketing Pesticide License	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active ▪ Information for Complex Pesticides will be present in the system. 	
Post conditions:	Renewal of Marketing Pesticide License happened	
Input:	▪	
Output:		
Normal Flow:	Actor Actions Actor clicks on “Renewal of Marketing Pesticide License” link in the Pesticide section of the SAP	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the Renewal of Marketing Pesticide License page of the Pesticide 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:	▪	

4.3.4.11 Pesticide Testing Laboratories

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

Use Case ID:	UC_SAP_4.11
Use Case Name:	List of Pesticide Testing Laboratories

Actors:	Farmer / Dealer	
Stake Holder:	Farmer / Dealer	
Description:	This service enables the actor to register and apply for licenses	
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 Pesticide 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 Name
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:		

4.3.4.12 Pesticides Acts/Rules

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

Use Case ID:	UC_SAP_2.12
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:	<ul style="list-style-type: none"> ▪ Actor clicks on “Pesticides Section → Acts/Rules” 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active 	
Post conditions:	Pesticides Acts/Rules page to be displayed to actor	
Input:	<ul style="list-style-type: none"> ▪ 	
Output:		

Normal Flow:	Actor Actions Actor accesses the portal and clicks on "Acts/Rules" link in the Pesticide section of SAP	System Responses <ul style="list-style-type: none"> Actor is redirected to the Acts/Rules page of the Pesticide 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"> 	

4.3.4.13 Inclusion of New Pesticide Varieties in Pesticide License

Scope: This activity enables the actor to Include New Pesticide Varieties in Pesticide License

Use Case ID:	UC_SAP_2.13	
Use Case Name:	Inclusion of New Pesticide Varieties in Pesticide License	
Actors:	Farmer / Citizen	
Stake Holder:	Citizens / farmers	
Description:	This service aims at providing the actor with Acts/Rules for Pesticides	
Trigger:	<ul style="list-style-type: none"> Actor clicks on "Pesticides Section → Inclusion of New Pesticide Varieties in Pesticide License" 	
Pre conditions:	<ul style="list-style-type: none"> Actor should have portal window active 	
Post conditions:	Pesticides Acts/Rules page to be displayed to actor	
Input:	<ul style="list-style-type: none"> 	
Output:		
Normal Flow:	Actor Actions Actor accesses the portal and clicks on "Inclusion of New Pesticide Varieties in Pesticide License" link in the Pesticide section of SAP	System Responses <ul style="list-style-type: none"> Actor is redirected to the "Inclusion of New Pesticide Varieties in Pesticide License" page of the Pesticide 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:	▪	

4.3.4.14 Addition or Deletion of Storage or New Sale point

Scope: This activity enables the actor to Add or Delete Storage or New Sale point

Use Case ID:	UC_SAP_2.14
Use Case Name:	Addition or Deletion of Storage or New Sale point

Actors:	Farmer / Citizen	
Stake Holder:	Citizens / Farmers	
Description:	This service aims at providing the actor with Addition or Deletion of Storage or New Sale point	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on "Pesticides Section → Addition or Deletion of Storage or New Sale point" 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active 	
Post conditions:	Pesticides Acts/Rules page to be displayed to actor	
Input:	▪	
Output:		
Normal Flow:	Actor Actions Actor accesses the portal and clicks on "Addition or Deletion of Storage or New Sale point" link in the Pesticide section of SAP	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to the "Addition or Deletion of Storage or New Sale point" page of the Pesticide 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:	▪

4.3.4.15 Related Websites

Scope: This activity enables the actor to view the links/websites related to Pesticide section

Use Case ID:	UC_SAP_4.15
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 Pesticide section	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on “Department of Agriculture” → “Pesticide Section” → “Related Websites” 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have State Agriculture Portal open in web browser and navigated to Department of Agriculture 	
Post conditions:	Related websites should be displayed	
Input:	▪	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor logs into the portal and selects “Related Website” ▪ Actor clicks on “Central Insecticide Board” ▪ ▪ Actor clicks on “Bureau of Indian Standards” 	System Responses <ul style="list-style-type: none"> ▪ Related websites list is displayed ▪ http://cibrc.nic.in/ opens in new window ▪ http://www.bis.org.in/ opens in new window
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:	

4.3.5 Soil Health Section

4.3.5.1 Link to Soil Health Section

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

Use Case ID:	UC_SAP_5.1
Use Case Name:	Link to Soil Health application

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Soil Health application	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Department of Agriculture → 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:	▪
Special Requirements:	

4.3.5.2 Soil Testing Application

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

Use Case ID:	UC_SAP_5.2
Use Case Name:	Soil Testing Application

Actors:	Farmer / Dealer / Officer at Taluk and District	
Stake Holder:	Officer at Taluk and District	
Description:	This service enables the actor to access the Soil Testing software	
Trigger:	▪ Actor clicks on “Soil Health Section → Soil Testing Software”	
Pre conditions:	▪ Actor should have portal window active	
Post conditions:	▪ Authorized users should have access to Soil testing software	
Input:	▪	
Output:		
Normal Flow:	Actor Actions ▪ Actor clicks on “Soil Health Software”	System Responses ▪ Actor is redirected to the Soil Testing Software / Application
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		
UI: required/not required	Required	
Priority: Low/medium/high	High	
Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent	
Business Rules:	▪	
Special Requirements:		

4.3.5.3 Conservation Practices

Scope: This activity enables the actor to access the Conservation Practices

Use Case ID:	UC_SAP_5.3
Use Case Name:	Conservation Practices

Actors:	Farmer	
Stake Holder:	Farmer	
Description:	This service enables the actor to view irrigation advise	
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 	
Post conditions:	Irrigation Advise Application to be accessible	
Input:	<ul style="list-style-type: none"> 	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> Actor clicks on "Conservation Practices" 	System Responses <ul style="list-style-type: none"> Actor is redirected to Conservation Practices application
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:		

4.3.5.4 Soil Types

Scope: This activity enables the actor to view information on Soil types

Use Case ID:	UC_SAP_5.4
Use Case Name:	Information on Soil Types

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service enables the actor to view information on soil types	
Trigger:	<ul style="list-style-type: none"> Actor clicks on "Soil Health Section → Soil Types" 	
Pre conditions:	<ul style="list-style-type: none"> Actor should have portal window active 	
Post conditions:	View information on Soil Types	
Input:	<ul style="list-style-type: none"> 	

Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> Actor clicks on “Soil Types” 	System Responses <ul style="list-style-type: none"> Actor is redirected to Soil Types application
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:		

4.3.5.5 Soil Reclamation District Wise

Scope: This activity enables the actor to view Soil Reclamation District Wise

Use Case ID:	UC_SAP_5.5
Use Case Name:	Soil Reclamation District Wise

Actors:	Farmer / Dealer	
Stake Holder:	Farmer / Dealer	
Description:	This service enables the actor to view Soil Reclamation District Wise	
Trigger:	<ul style="list-style-type: none"> Actor clicks on “Soil Health Section → Soil Reclamation District Wise” 	
Pre conditions:	<ul style="list-style-type: none"> Actor should have portal window active 	
Post conditions:	List of Soil testing Labs	
Input:	<ul style="list-style-type: none"> 	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> Actor clicks on “Soil Reclamation District Wise” 	System Responses <ul style="list-style-type: none"> System Shows the “Soil Reclamation District Wise” Page
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:	

4.3.5.6 Diseases and Remedial Measures for soil

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

Use Case ID:	UC_SAP_5.6
Use Case Name:	Application for 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:	▪ Actor clicks on State Agriculture Portal → Diseases and Remedial measures	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Diseases and Remedial Measures section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Diseases and Remedial Measures” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Diseases and Remedial Measures” 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:		

4.3.5.7 Soil Survey Map

Scope: This activity enables the actor to access the application of Soil Survey Map

Use Case ID:	UC_SAP_5.7
Use Case Name:	Application for Soil Survey Map of State/ District

Actors:	Farmer/ SAP User	
Stake Holder:	Farmer, General Citizen	
Description:	This service aims at taking the actor to the Soil Survey Map	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on Soil Health Section → Soil Survey Map 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Soil Survey Map	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Soil Health Section → Soil Survey Map” link on home page of SAP ▪ Actor choose and option State. ▪ Actor choose and option District. ▪ Actor selects the district and clicks submit. 	System Responses <ul style="list-style-type: none"> ▪ Presents the following options to the actor: <ul style="list-style-type: none"> • State • District ▪ Actor is redirected to the survey Map of Himachal Pradesh State. ▪ Presents the list of districts of Himachal Pradesh State. ▪ Actor is redirected to the survey Map of that particular district.
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"> ▪ 	
Notes and Issues:	<ul style="list-style-type: none"> ▪ . 	

4.3.5.8 Organic Farming

Scope: This activity enables the actor to access the application for Organic Farming

Use Case ID:	UC_SAP_5.8
Use Case Name:	Application for Organic Farming

Actors:	Farmer / Citizen
Stake Holder:	Farmer / Citizen
Description:	This service aims at taking the actor to the Organic Farming section

Trigger:	▪ Actor clicks on State Agriculture Portal → Soil Health -> Organic Farming	
Pre conditions:	Actor should have opened the State Agriculture Portal and accessed the Department of Agriculture application	
Post conditions:	Application for Organic Farming section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Organic Farming” link on home page of SAP ▪ Actor chooses the option from the given list. 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Organic Farming” application and system presents following options: <ul style="list-style-type: none"> • Information • Recommendation ▪ Actor is redirected to the information page of selected option
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:		

4.3.5.9 Classification Section

Scope: This activity enables the actor to access the application for Classification Section

Use Case ID:	UC_SAP_5.9
Use Case Name:	Classification Section related to Soil

Actors:	Farmer / Citizen
Stake Holder:	Farmer / Citizen
Description:	This service aims at taking the actor to the Classification Section
Trigger:	▪ Actor clicks on State Agriculture Portal → Soil Health -> Classification Section
Pre conditions:	Actor should have opened the State Agriculture Portal and accessed the Department of Agriculture application
Post conditions:	Application for Classification Section is loaded
Input:	
Output:	

Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Classification” link on home page of SAP ▪ Actor chooses the option from the given list. 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Classification” application and system presents following options: <ul style="list-style-type: none"> • Related to Soil • District Wise Classification ▪ Actor is redirected to the information page of selected option
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:		

4.3.5.10 Fertility Index of the State

Scope: This activity enables the actor to access the Fertility Index of the State

Use Case ID:	UC_SAP_5.10	
Use Case Name:	Application for Fertility Index of the State	
Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Fertility Index of the State	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Soil Health -> Fertility Index of the State 	
Pre conditions:	Actor should have opened the State Agriculture Portal and accessed the Department of Agriculture application	
Post conditions:	Application for Fertility Index of the State section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Fertility Index of the State” link on home page of SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Fertility Index of the State” ▪
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:		

4.3.5.11 Agro Climatic Zones of the State

Scope: This activity enables the actor to access the Agro Climatic Zones of the State

Use Case ID:	UC_SAP_5.11
Use Case Name:	Agro Climatic Zones of the State

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

4.3.5.12 Agro Climatic Zones, District Wise

Scope: This activity enables the actor to access the Agro Climatic Zones, District Wise

Use Case ID:	UC_SAP_5.12
Use Case Name:	Agro Climatic Zones, District Wise

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Agro Climatic Zones, District Wise section	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Soil Health -> Agro Climatic Zones, District Wise 	
Pre conditions:	Actor should have opened the State Agriculture Portal and accessed the Department of Agriculture application	
Post conditions:	Application for Agro Climatic Zones, District Wise section is loaded	
Input:		
Output:		
Normal Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Actor clicks on the “Agro Climatic Zones, District Wise” link on Soil Health page of SAP ▪ Actor chooses the option from the given list. 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ Actor is redirected to “Agro Climatic Zones, District Wise” application and system presents following options: <ul style="list-style-type: none"> • District Name ▪ Actor is redirected to the information page of selected option
Alternative Flow:	<ul style="list-style-type: none"> ▪ 	<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:		

4.3.5.13 Land Use Pattern

Scope: This activity enables the actor to access the Land Use Pattern

Use Case ID:	UC_SAP_5.13
Use Case Name:	Application for Land Use Pattern

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

4.3.6 Crops Section

4.3.6.1 Link to Crops Application

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

Use Case ID:	UC_SAP_6.1
Use Case Name:	Application for Crop

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

Output:		
Normal Flow:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Actor clicks on the “Crop” link on home page of SAP ▪ If Actor chooses on the “Agro Climate Features” link on Crop option ▪ Actor chooses on the “Climate/ Soil/ Land use pattern/ Water Resources/ Crop and Cropping System” ▪ If Actor chooses on the “Cereal and Millet Crops” link on Crop option ▪ Actor chooses on the “Climate/ Soil/ Land use pattern/ Water Resources/ Crop and Cropping System” 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ Actor is redirected to “Crop” application and presents following list: <ul style="list-style-type: none"> • Agro Climate Features • Cereal and Millet Crops • Grain legumes • Oilseed Crops • Tuber Crops • Forage Crops • Sugar Crops • Intercropping System • Contingent Crop Planning ▪ Presents a List of following options : <ul style="list-style-type: none"> • Climate • Soil • Land Use Pattern • Water Resources • Crops and Cropping System ▪ Actor is redirected to the information page as per chooses option. ▪ Presents a List of following options : <ul style="list-style-type: none"> • Transplanted rice • Direct Seeded rice • Summer Rice • System of rice intensification • Com • Sweet Corn • Baby Corn • Pop Corn • Finger Millet • Wheat • Zero-till wheat • Surface seeded wheat • Barley ▪ Actor is redirected to the information page as per chooses option

	<ul style="list-style-type: none"> ▪ If Actor chooses on the “Grain legumes link on Crop option ▪ Actor chooses from the presented list ▪ If Actor chooses on the “Oilseed Crops” link on Crop option ▪ Actor chooses from the presented list ▪ If Actor chooses on the “Tuber Crops” link on Crop option ▪ Actor chooses from the presented list ▪ If Actor chooses on the “Forage Crops” link on Crop option ▪ Actor chooses from the presented list 	<ul style="list-style-type: none"> ▪ Presents a List of following options : <ul style="list-style-type: none"> • Pigeon pea • Black gram • Lentil • Chick pea • Peas • Horse gram • Summer Moong ▪ Actor is redirected to the information page as per chooses option ▪ Presents a List of following options : <ul style="list-style-type: none"> • Groundnut • Soybean • Mustard • Toria • Linseed • Niger • Sesame • Safflower ▪ Actor is redirected to the information page as per chooses option ▪ Presents a List of following options : <ul style="list-style-type: none"> • Potato (Winter) • Potato (Kharif) • T P S (True Potato Seed) • Sweet Potato ▪ Actor is redirected to the information page as per chooses option ▪ Presents a List of following options : <ul style="list-style-type: none"> • Deenanath grass • Berseem • Lucerne • Maize • Sorghum • Hybrid Napier • Oat • Cow Pea • Forage based cropping system ▪ Actor is redirected to the information page as per chooses option
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	<ul style="list-style-type: none"> ▪ If Actor chooses on the “Sugar Crops” link on Crop option ▪ Actor chooses from the presented list 	<ul style="list-style-type: none"> ▪ Presents a List of following options : <ul style="list-style-type: none"> • Sugarcane ▪ Actor is redirected to the information page as per chooses option
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:		

4.3.6.2 Classification Section

Scope: This activity enables the actor to access the application for Classification Section

Use Case ID:	UC_SAP_6.2
Use Case Name:	Classification Section related to Crops

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Classification Section	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on State Agriculture Portal → Soil Health -> Classification Section 	
Pre conditions:	Actor should have opened the State Agriculture Portal and accessed the Department of Agriculture application	
Post conditions:	Application for Classification Section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Classification” link on Crops page of SAP ▪ Actor chooses the option from the given list. 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Classification” application and system presents following options: <ul style="list-style-type: none"> • Related to Crops • District Wise Crops Information ▪ Actor is redirected to the information page of selected option
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:		

4.3.6.3 Package of Practices

Scope: This activity enables the actor to view area wise recommendations for pesticides to be used

Use Case ID:	UC_ SAP_6.3
Use Case Name:	Recommendation for Package of Practices

Actors:	Farmer / Citizen	
Stake Holder:	Citizens / Farmers	
Description:	This service aims at providing the actor with recommendation of Package of Practice	
Trigger:	<ul style="list-style-type: none"> ▪ Actor clicks on "Pesticides Section → Package Of Practice" 	
Pre conditions:	<ul style="list-style-type: none"> ▪ Actor should have portal window active 	
Post conditions:	Area wise recommendation page to be displayed to actor	
Input:	▪	
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> ▪ Actor accesses the portal and clicks on "Package Of Practice" 	System Responses <ul style="list-style-type: none"> ▪ List with following Option displayed to the actor: <ul style="list-style-type: none"> ○ IPM Package of Practice ○ List of registered, banned, restricted pesticide for use ○ List of Pesticide rejected registration ○ List of Pesticide restricted for Use In India ○ List of designated inspectors for quality control ○ List of Pathogens/ Pests/ Disease/ Nematode/ Weed/ Disorder ○ Pest Category
Alternative Flow:	<ul style="list-style-type: none"> ▪ 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:		

4.3.6.4 Good Agricultural Practices

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

Use Case ID:	UC_SAP_6.4
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:	<ul style="list-style-type: none"> ▪ 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"> ▪ Actor clicks on the "Good Agricultural Practices" link on home page SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to "Good Agricultural Practices" 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:	

4.3.6.5 Varieties

Scope: This activity enables the actor to access the application for Crop Varieties

Use Case ID:	UC_SAP_6.5
Use Case Name:	Application for Crop Varieties

Actors:	Farmer / Citizen	
Stake Holder:	Farmer / Citizen	
Description:	This service aims at taking the actor to the Crop Varieties section	
Trigger:	▪ Actor clicks on State Agriculture Portal → Crop Varieties	
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"> ▪ Actor clicks on the “Varieties” link on home page SAP 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Varieties” 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:		

4.3.6.6 Framework of Agricultural Activities for 52 Weeks

Scope: This activity enables the actor to access the application for Framework of Agricultural Activities for 52 Weeks

Use Case ID:	UC_SAP_6.6
Use Case Name:	Framework of Agricultural Activities for 52 Weeks

Actors:	Farmer / Citizen
Stake Holder:	Farmer / Citizen

Description:	This service aims at taking the actor to the Framework of Agricultural Activities for 52 Weeks	
Trigger:	<ul style="list-style-type: none"> Actor clicks on State Agriculture Portal → Framework of Agricultural Activities for 52 Weeks 	
Pre conditions:	Actor should have opened the State Agriculture Portal	
Post conditions:	Application for Framework of Agricultural Activities for 52 Weeks section is loaded	
Input:		
Output:		
Normal Flow:	Actor Actions <ul style="list-style-type: none"> Actor clicks on the “Framework of Agricultural Activities for 52 Weeks” link on Crop page of SAP 	System Responses <ul style="list-style-type: none"> Actor is redirected to “Framework of Agricultural Activities for 52 Weeks” 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:		

4.3.7 Greivance Management and Expert Advisory System

4.3.7.1 Link to Greivance Management

This activity enables the actor to access the Grievance Management Application

Use Case ID:	UC_SAP_7.1	
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	
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:	▪	▪
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:		

4.3.7.2 New Grievance registered

Scope: This activity enables the actor to register a grievance

Use Case ID:	UC_SAP_7.2
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 Home 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:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Grievances” link on State Agriculture Portal home 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 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Grievance Redressal” application ▪ 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:	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:		

4.3.7.3 View Grievance and take action

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

Use Case ID:	UC_ SAP_7.3
Use Case Name:	Action for grievance
Actors:	Agricultural offices, Taluk ADA , District DDA and JDA
Stake Holder:	Farmer / Citizen

Description:	This service enables the user to view and take appropriate action on the Grievances Registered	
Trigger:	<ul style="list-style-type: none"> ▪ 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:	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Actor clicks on the “Grievances responsibility” link ▪ 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 enter number of days provided) • Actor selects submit option 	<p>System Responses</p> <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
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:	<ul style="list-style-type: none"> ▪ 	
Special Requirements:		

4.3.7.4 Resolution of Grievance

Scope: This activity enables the actor to resolve the grievance

Use Case ID:	UC_SAP_7.4
Use Case Name:	Resolution of grievance

Actors:	Agriculture Officer, Taluk 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 Redressal application ▪ Actor is provided with following fields for information entry <ul style="list-style-type: none"> • Grievance / Issue • Grievance reference number • Resolution comments • Option to submit 	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 concerned authority with details for grievance and resolution
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:	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:	<ul style="list-style-type: none"> ▪ . 	
Priority: Low/medium/high	High	

Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	▪
Notes and Issues:	▪ .

4.3.7.5 Escalation of grievance

Scope: This activity enables the actor to escalate a grievance

Use Case ID:	UC_SAP_7.5
Use Case Name:	Escalation of 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 Home 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:	Actor Actions <ul style="list-style-type: none"> ▪ Actor clicks on the “Grievances” link on State Agriculture Portal home page ▪ 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 	System Responses <ul style="list-style-type: none"> ▪ Actor is redirected to “Grievance Redressal” application ▪ 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:	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 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:	▪
Special Requirements:	

4.3.7.6 Expert Advisory

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

Use Case ID:	UC_ SAP_7.6
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:	▪ 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:	▪	
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:		

4.3.7.7 Add New Query

Overview: The System provides a provision to the actor to add a new query, if he/she doesn’t found

the answer of his/her query available in the existing FAQ list on the SAP Portal/Service/Sub Service.

Use Case ID:	UC_SAP_7.7
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:	Actor Actions <ul style="list-style-type: none"> ▪ Actor chooses to Add New Query. 	Systems Responses <ol style="list-style-type: none"> 1. System captures the following mandatory parameters to add a Query : <ol style="list-style-type: none"> a. SAP Service/ Sub Service name – this field is auto displayed by the system as the Service/Sub service

	<p>Actor would fill all the above fields and submits the data.</p> <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>through which the actor has browsed the Add query link.</p> <p>b. FAQ Category Name - Actor selects the suitable FAQ category name from the drop box list.</p> <p>c. Query text – Actor enters the text of his query/question.</p> <p>d. Mobile Number- Actor specifies the registered mobile number on which he/she wants to receive the status of the submitted query.</p> <p>e. Email id - Actor specifies the email address on which the reply needs to be sent. Email would be the optional field.</p> <p>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.</p> <p>g. District – Actor selects the district name from the drop box list wherein he/she is currently 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
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	<p>Actor selects Panchayat in the Location Area Level,</p> <p>Actor selects Village in the Location Area Level,</p>	<p>actor to select the tahseel name from the drop box list wherein he/she is currently located.</p> <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
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	<p>Actor enters the specified Captcha word.</p> <p>Actor fills all the above fields and submits the details.</p>	<p>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</p> <ul style="list-style-type: none"> • 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. <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
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		<ul style="list-style-type: none"> • 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	

<p>Exceptional Flow:</p>	<p>Actor attempts to submit without selecting the 'FAQ Category name'</p> <p>Actor attempts to submit without entering the 'Query text'</p> <p>Actor attempts to submit without entering the 'Mobile Number'</p> <p>Actor attempts to submit without selecting the 'Location Area Level'</p> <p>Actor attempts to submit without selecting the 'District/Tahseel/Block/Panchayat/Village'</p> <p>Actor attempts to submit without specifying Khasra No. if the selected Location Area Level is Village.</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> <p>System displays the message "Please specify the mobile number".</p> <p>System displays the message "Please select location area level"</p> <p>System displays the message "Please select District/Tahseel/Block/Panchayat/Village"</p> <p>The System displays the message, "Please specify the Khasra No."</p>
<p>Includes: other use case id</p>		
<p>UI: required/not required</p>	<p>Required</p>	
<p>Priority: Low/medium/high</p>	<p>Medium</p>	
<p>Frequency of Use: Continuous/ frequent/ medium/ less/ rare</p>	<p>Medium</p>	

Business Rules:	<ol style="list-style-type: none"> FAQ Category drop box would be populated on the basis of 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:	<p><u>Extends</u></p> <p>None</p> <p><u>Is Extended By</u></p> <p>None</p> <p><u>Uses</u></p> <p><u>SAP/Service/Sub service Home Page</u></p> <p>Login (for SAP registered User)</p>
Notes and Issues:	None

4.3.7.8 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_7.8
Use Case Name:	Query Acceptance and Expert Advice

Actors:	Primary Actor Subject Matter Expert are 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 24 hours, 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 carried forward to the "Responded Query list".
Input:	<ul style="list-style-type: none"> • One or Multiple Query Acceptance/Rejection. • Adding responses/advices.

<p>Output:</p>	<p>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.</p>	
<p>Normal Flow:</p>	<p>Actor Actions</p> <p>1) The actor clicks on the option “Accept/Reject Query”.</p> <ul style="list-style-type: none"> • 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>Once the Selected queries get rejected 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> <p>The rejected queries will be discarded from the Expert Advice interface and would be displayed in the “Rejected Queries” link.</p>
	<p><i>The actor gives advices against the selected queries-</i></p> <p>Actor chooses to Answer Query</p>	<ol style="list-style-type: none"> 1. Actor may either choose to Answer Query or Forward Query. 2. System captures the following mandatory parameters in read only mode as specified by the stakeholder in the add a Query use case : <ol 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.

	<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 but</i></p>	<ul style="list-style-type: none"> 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>
<p>Alternative Flow:</p>	<p>Alternative Flow 1:</p> <p>Actor chooses to Forward Query in while giving Advices in Step 1.</p>	<ul style="list-style-type: none"> 1. System displays the below options available for forwarding the query as ‘Forward to’. Actor can select any one of the mentioned options : <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

	<p>Actor enters remarks and click Forward link.</p> <p>Alternative Flow 2:</p> <p>Actor doesn't respond to the query within 24 hours of it's submission.</p> <p>Actor enters the Remarks and submits.</p>	<p>selects the specific Centre SME from the drop box.</p> <p>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 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."</p>
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		<p>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:

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):
 - 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 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.
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.
11. All the unanswered Queries would be auto archived after every Time Frequency for 30 days (configurable parameter at SAP level).
12. While all the archived queries would be auto deleted after the Duration of 60 days (configurable parameter at SAP level).

<p>Exceptions:</p>	<p>No Query available in the system for answering:</p> <p>Actor attempts to submit without entering the 'Answer':</p> <p>Actor attempts to Forward to Centre level while no users exists under Centre SME role:</p> <p>Actor attempts to Forward to State level while no users exists under State SME role:</p> <p>Actor attempts to Forward to District level while no users exists under District SME role:</p>	<p>System displays the message as “No Query Available.”</p> <p>System displays the message “Please enter value in Answer”</p> <p>System displays the message “No Centre SME is available in the system.”</p> <p>System displays the message “No State SME is available in the system.”</p> <p>System displays the message “No District SME is available in the system.”</p>
<p>Special Requirements:</p>	<p>None</p>	
<p>Assumptions:</p>	<ol style="list-style-type: none"> The actor is registered either on SAP and access the application/service through single sign on. Hardware like computer/laptop system and network connection is available to the actor. The actor is having a valid mobile number. Actor is having an internet banking access, debit card and credit card 	
<p>Dependency:</p>	<p><u>Extends</u></p> <p>View Manage FAQ page</p> <p><u>Is Extended By</u></p> <p>None</p> <p><u>Uses</u></p> <p>Login</p>	
<p>Notes and Issues:</p>	<p>None</p>	

4.3.8 Farmers Section

4.3.8.1 Link to Farmer Registration

Scope: This activity enables the actor to access the Farmer Registration application of Department of Agriculture

Use Case ID:	UC_SAP_8.1
Use Case Name:	Link to Farmer Registration Application

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

4.3.8.2 Farmer Registration

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

Use Case ID:	UC_SAP_8.2
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:	<ul style="list-style-type: none"> ▪ Actor clicks on “Farmer Registration” link in home page
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:	<ul style="list-style-type: none"> 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 Actor fills the details and clicks on Submit Actor selects Yes Actor selects No 	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. <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) 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:	<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:		

4.3.8.3 Update Static Information for farmer

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

Farmers database

Use Case ID:	UC_SAP_8.3
Use Case Name:	Update Static information for farmer

Actors:	Farmer
Stake Holder:	Farmer
Description:	This service aims at updating the Farmers Database
Trigger:	<ul style="list-style-type: none"> ▪ Actor is redirected from UC_SAP_007 ▪ Actor logs into portal and clicks on “Update Profile” and clicks on “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)

	<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. etc.) (Integration with Land Records) • 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 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
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	<ul style="list-style-type: none"> ▪ Farmer fills the details and clicks on Next 	<ul style="list-style-type: none"> ▪ Others page is loaded with following information field <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 	<ul style="list-style-type: none"> ▪ Actor is redirected to the Landing page in “Update details”
Alternative Flow:	Actor Actions	System Responses
	<ul style="list-style-type: none"> ▪ Actor chooses to update the Dynamic information 	<ul style="list-style-type: none"> ▪ Actor is redirected to Dynamic Information use case accordingly
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:	<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:	

4.3.8.4 Update Dynamic Information for farmer

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

Use Case ID:	UC_SAP_8.4
Use Case Name:	Update Dynamic information for farmer

Actors:	Farmer
Stake Holder:	Farmer
Description:	This service aims at updating the Farmers Database
Trigger:	<ul style="list-style-type: none"> ▪ Actor is redirected from UC_SAP_008 ▪ Actor logs into portal and clicks on “Update Profile” and clicks on “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)

<p>Normal Flow:</p>	<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 <p>▪ Actor is redirected to home page of portal</p>
<p>Alternative Flow:</p>	<p>Actor Actions</p> <ul style="list-style-type: none"> ▪ Actor submits only partial information 	<p>System Responses</p> <ul style="list-style-type: none"> ▪ System should allow the actor to do so
<p>Exceptional Flow:</p>	<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
<p>Includes: Other use case id</p>		
<p>UI: required/not required</p>	<p>Required</p>	
<p>Priority: Low/medium/high</p>	<p>High</p>	

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:	

4.3.8.5 Mail/SMS sent to farmer to update season information

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

Use Case ID:	UC_ SAP_ 8.5
Use Case Name:	Reminder mail/SMS to farmer to update Information

Actors:	System	
Stake Holder:	Farmer	
Description:	This service aims at to send Reminder mail/SMS to farmer to update Information	
Trigger:	<ul style="list-style-type: none"> Admin from Taluk/District office chooses to send reminder mail/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 Taluk with list of farmers (Taluk-wise) intimating failure to update data
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:	

4.3.8.6 Registered Farmers List

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

Use Case ID:	UC_SAP_8.6
Use Case Name:	Farmers List

Actors:	Taluk/ District Office Admin (RSK Officer, Agricultural Officer, Taluk ADA, DDA, District JDA)	
Stake Holder:	Farmer, Taluk/ District office admin (RSK Officer, Agricultural Officer, Taluk 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:	▪ Actor clicks on "Farmer Registration" → "Registered Farmers List"	
Pre conditions:	▪ 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 • Taluk • 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_004 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_004	
UI: required/not required	Required	
Priority: Low/medium/high	High	

Frequency of Use: Continuous/ frequent/ medium/ less/ rare	Frequent
Business Rules:	▪
Special Requirements:	

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 and 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 Line Ministries/Departments and also the common man for the purpose of social audit.

The Government and Private Institutions Officials are being provided with basic working knowledge of computers under various capacity building 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 Hindi 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 are conform 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

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. The software should also scale-up as per the requirements.
4. The application will support Unicode enabled fonts for local language representation.
5. The State Agricultural Portal will need to inter-operate with other software applications which are being developed as part of Mission Mode Project including Central Agricultural Portal and State Agricultural Portal indicated in Non-Functional Requirements.
6. The State Agricultural Portal will be constrained by the minimum hardware specifications that are likely to be available in the production environment.
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 Centers) to initiate service requests; which would be processed by the Central and State Agricultural 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 of SAP. It is assumed that the third party tools and applications software wherever required to fulfill the functionality of State Agricultural 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 accords 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 Agricultural Sector in 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 we need to follow are:

- Guidelines for Indian Government Websites
- Content Contribution, Moderation and Approval Policy
- Content Review Policy
- Content Archival Policy

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 Proposed Portal will be the Official Portal of the Ministry of Agriculture & Co-operation.

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 citizens and other stakeholders. An attempt has been made through this Portal to provide comprehensive, accurate and reliable and one stop source of information about Agricultural sector in 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. Portal coordinators will be nominated by Himachal Pradesh State Government. They will be responsible for 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

<p>Central Level</p>	<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
<p>State Level</p>	<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 Level	<ul style="list-style-type: none"> ○ 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 ○ 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 can be accessed at <http://StateAgriculturalPortal.gov.in>. The login screen will prompt the user for their user id 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 is sent along with the content 1 week prior to the validity date and then two days before the valid up to date the final moderator to take the decision whether to show the content on portal or not.

4.13 Accessing Portal Content CMS

The home page of Central Agricultural Portal - Portal Content will be accessible using URL <http://StateAgriculturalportal.gov.in> 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 System 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, NeGP-AMMP logo, Map of Himachal Pradesh 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

1. Welcome message to the user who logged in
2. Contents Section- containing links to the contents listing and contributions
3. 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 proposed 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 hardware and software as proposed by Department of Agriculture & Cooperation will be used for the hosting of the State Agricultural.

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

The maximum time for download of other pages of the State Agricultural Portal should be 25 seconds with same condition as above. The maximum time for download of Search page of the State Agricultural Portal should be 30 seconds 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 designed for a screen resolution of 1024X768.

Home page:

This is the entry page of the portal and contains the links to the all the modules of the portal. The home page template is unique and only applies to one page. The rest of the pages will be based on different 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 “Guidelines for Indian Government Websites”. The State Agricultural Portal must conform to W3C standard guidelines.

5.4 Software System Attributes

Software and Hardware requirements and system attributes will be decided at the later stage of the project

6. CONCLUSION

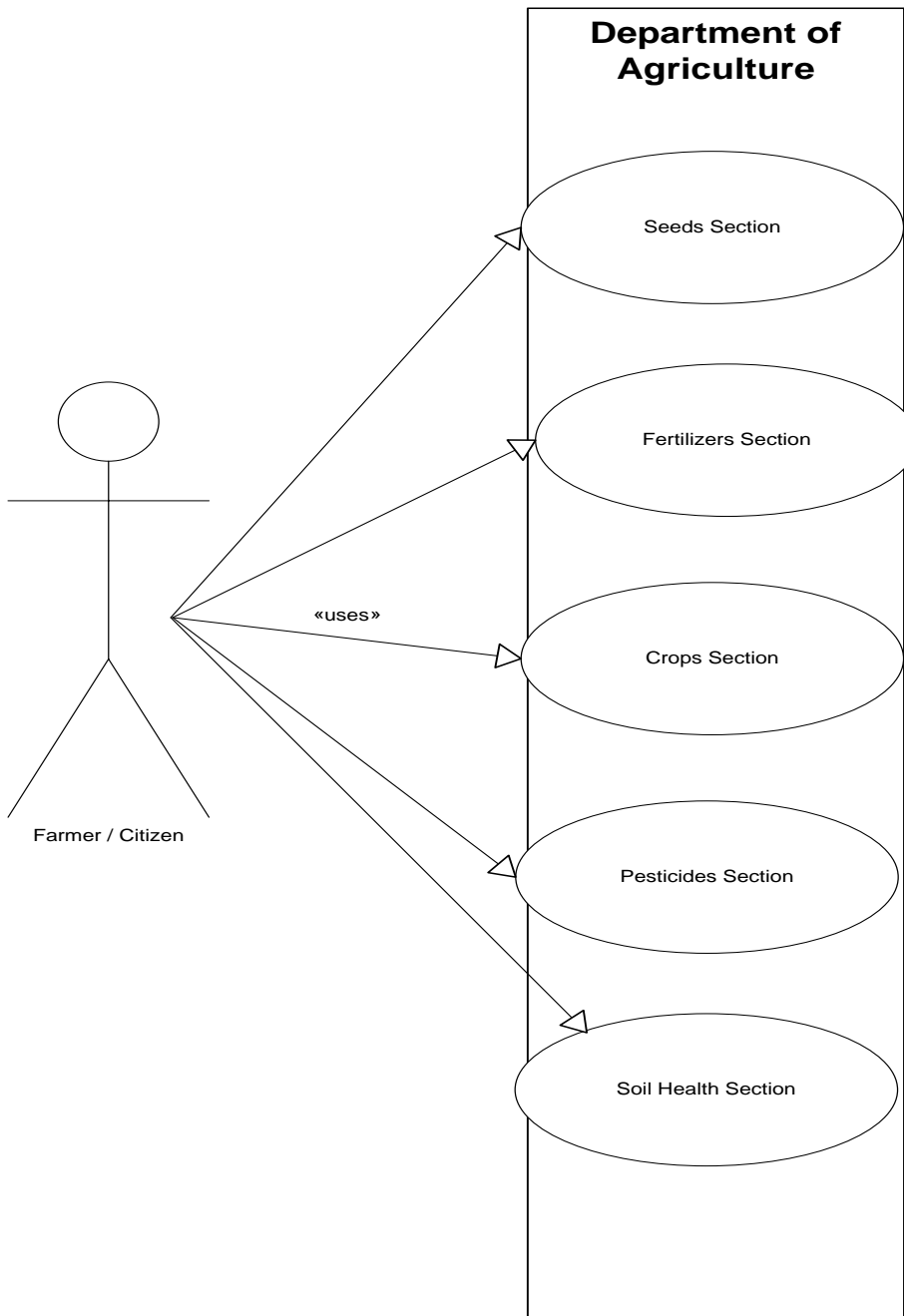
The success of the State Agricultural Portal lies in the efficient delivery of services to the farmers. In measuring efficiency it is important to understand the processes within and outside the government framework. Private sector brings with itself a large experience in providing services to the farming community at the field level; and the government brings an in-depth knowledge of the bottlenecks that it may face during the 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 a natural success of the proposed initiative.

ANNEXURE 1 (USE CASE DIAGRAMS)

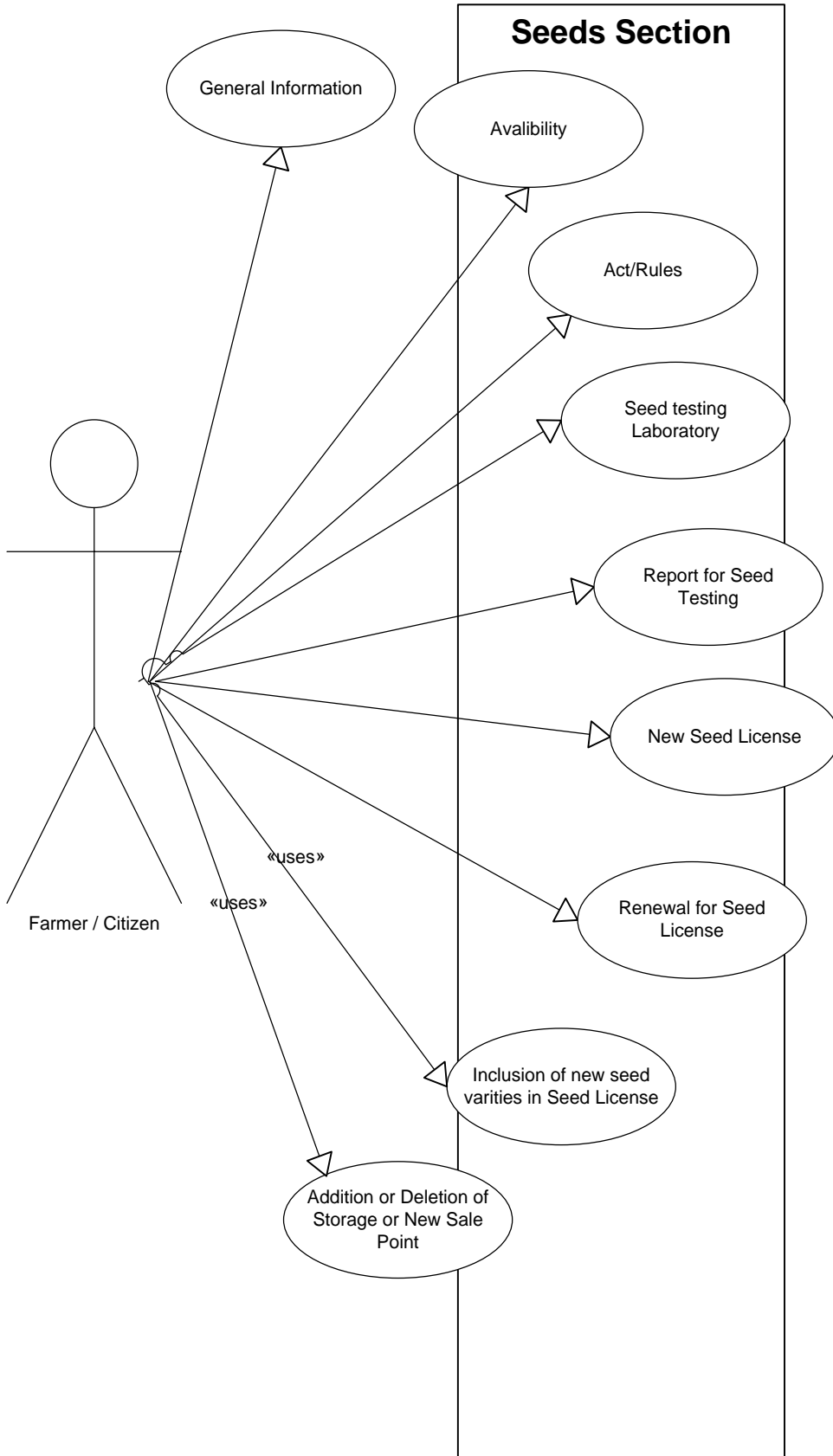
1. State Agriculture Portal



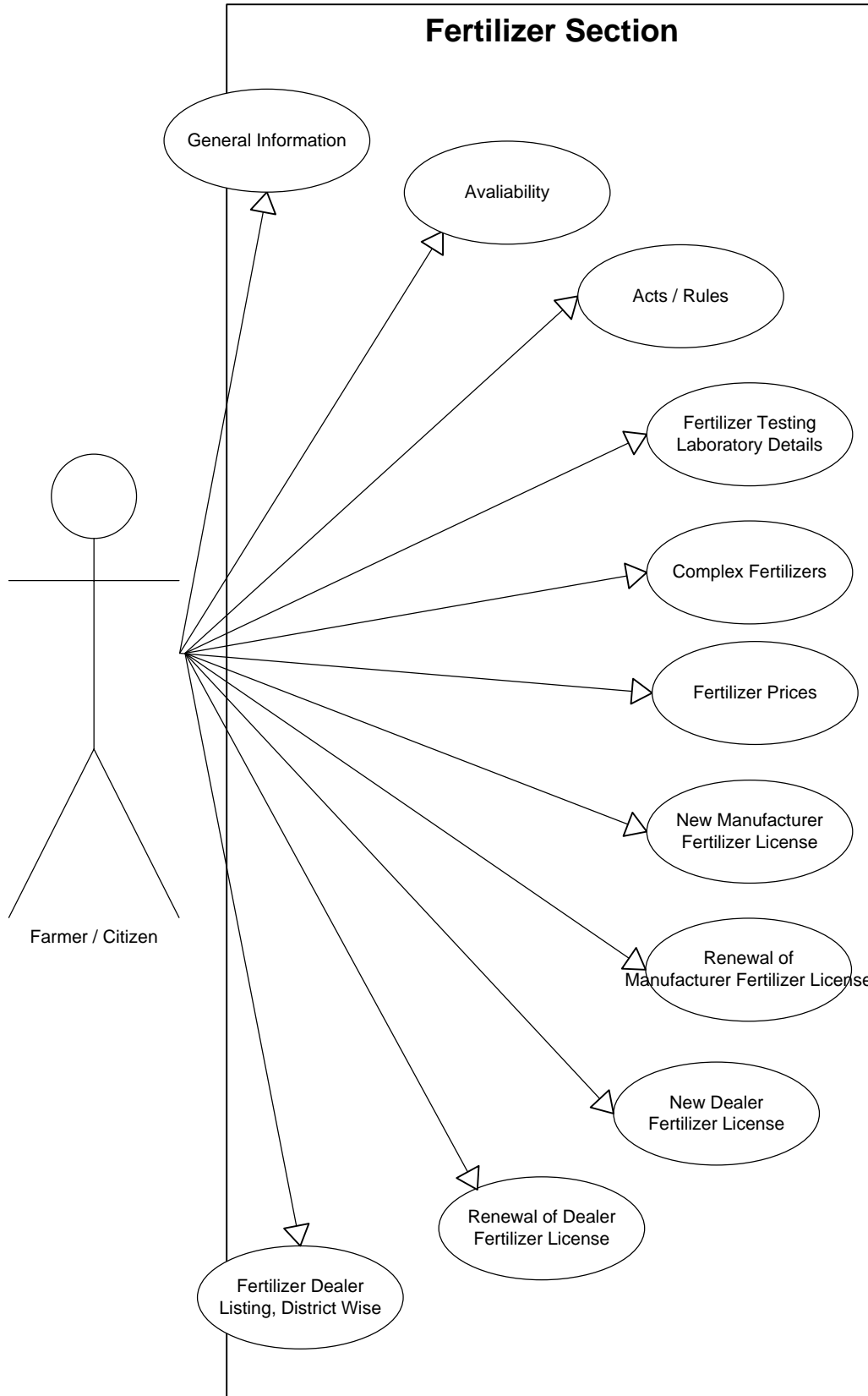
2. Department Of Agriculture



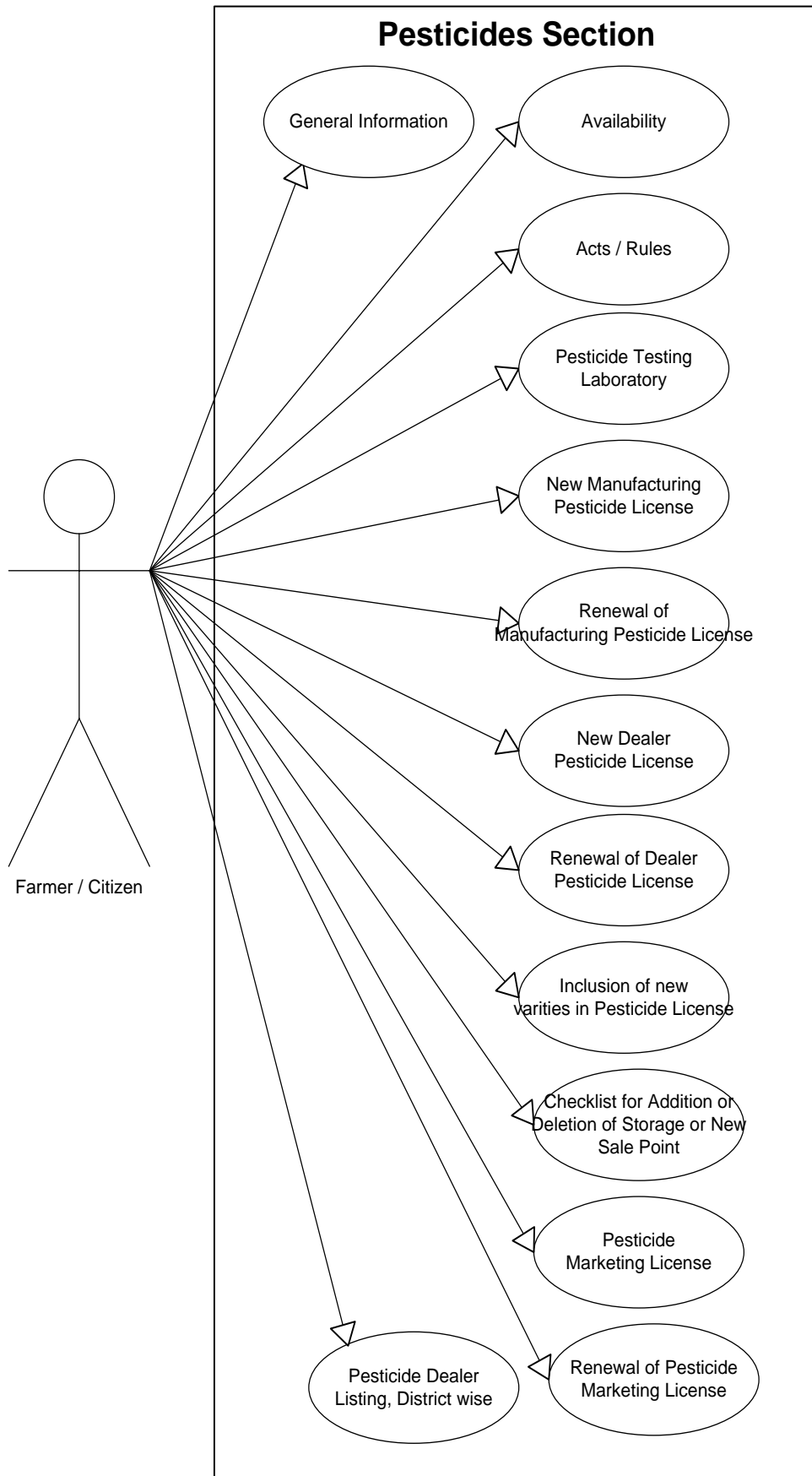
3. Seeds Section



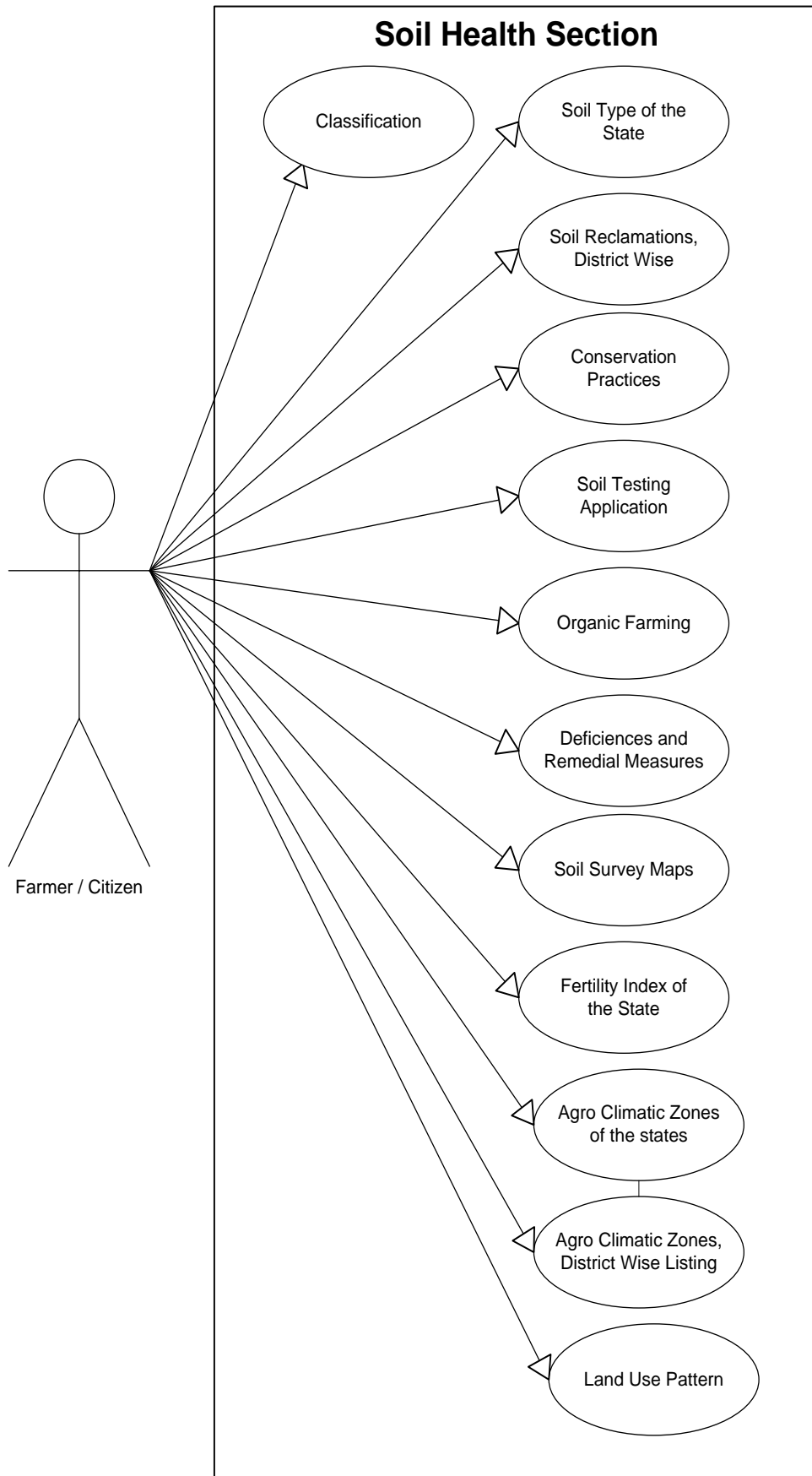
4. Fertilizers Section



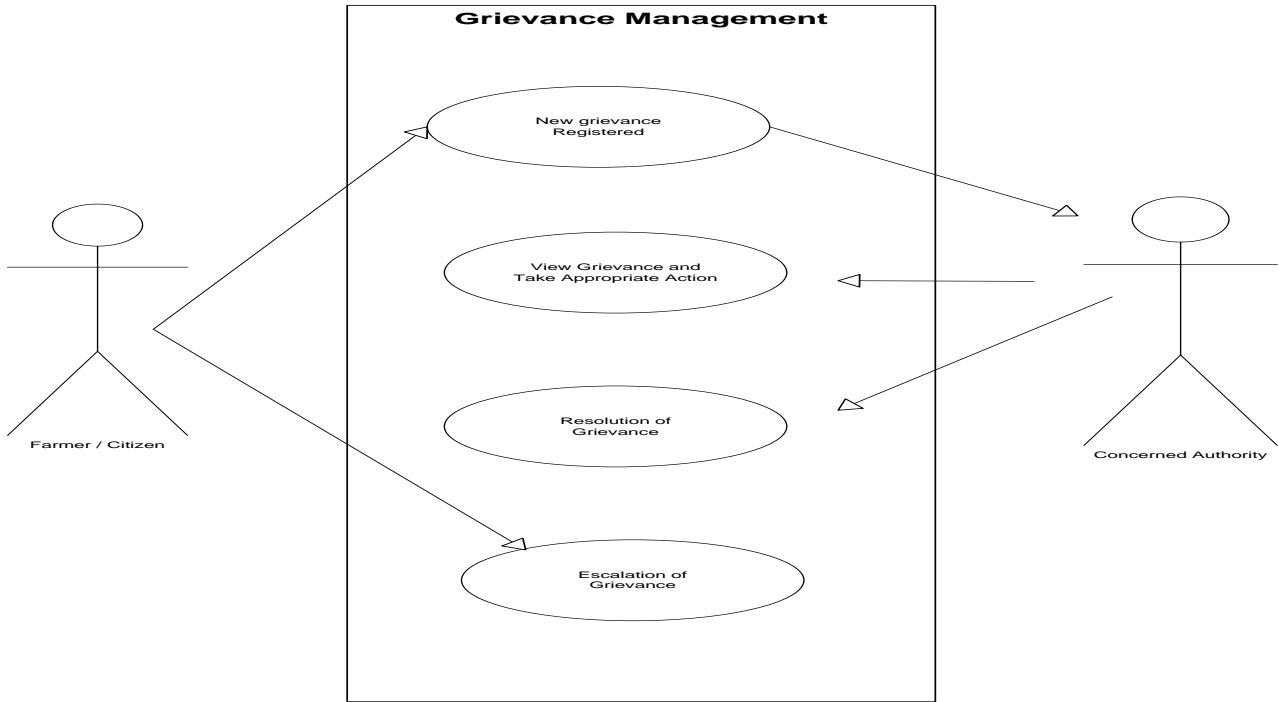
5. Pesticides Section



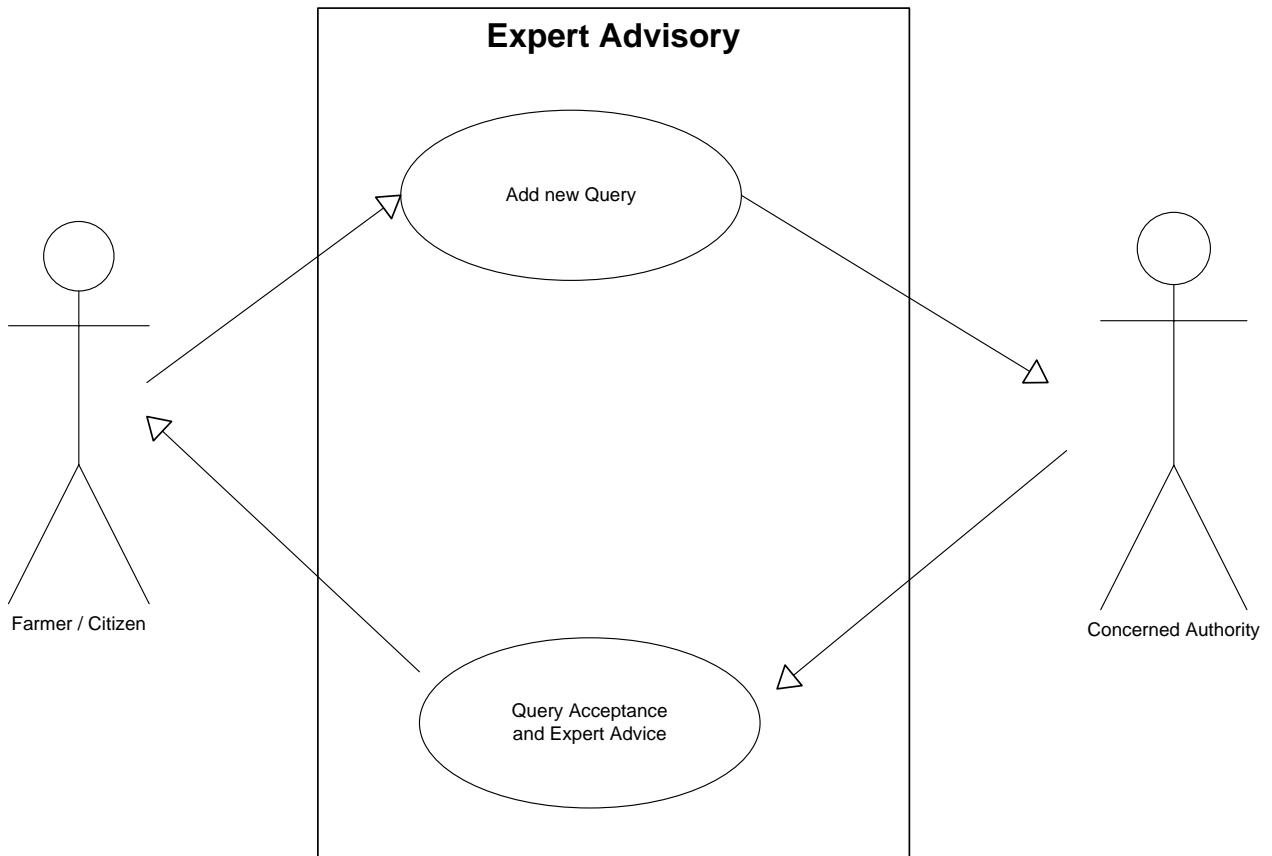
6. Soil Health Section



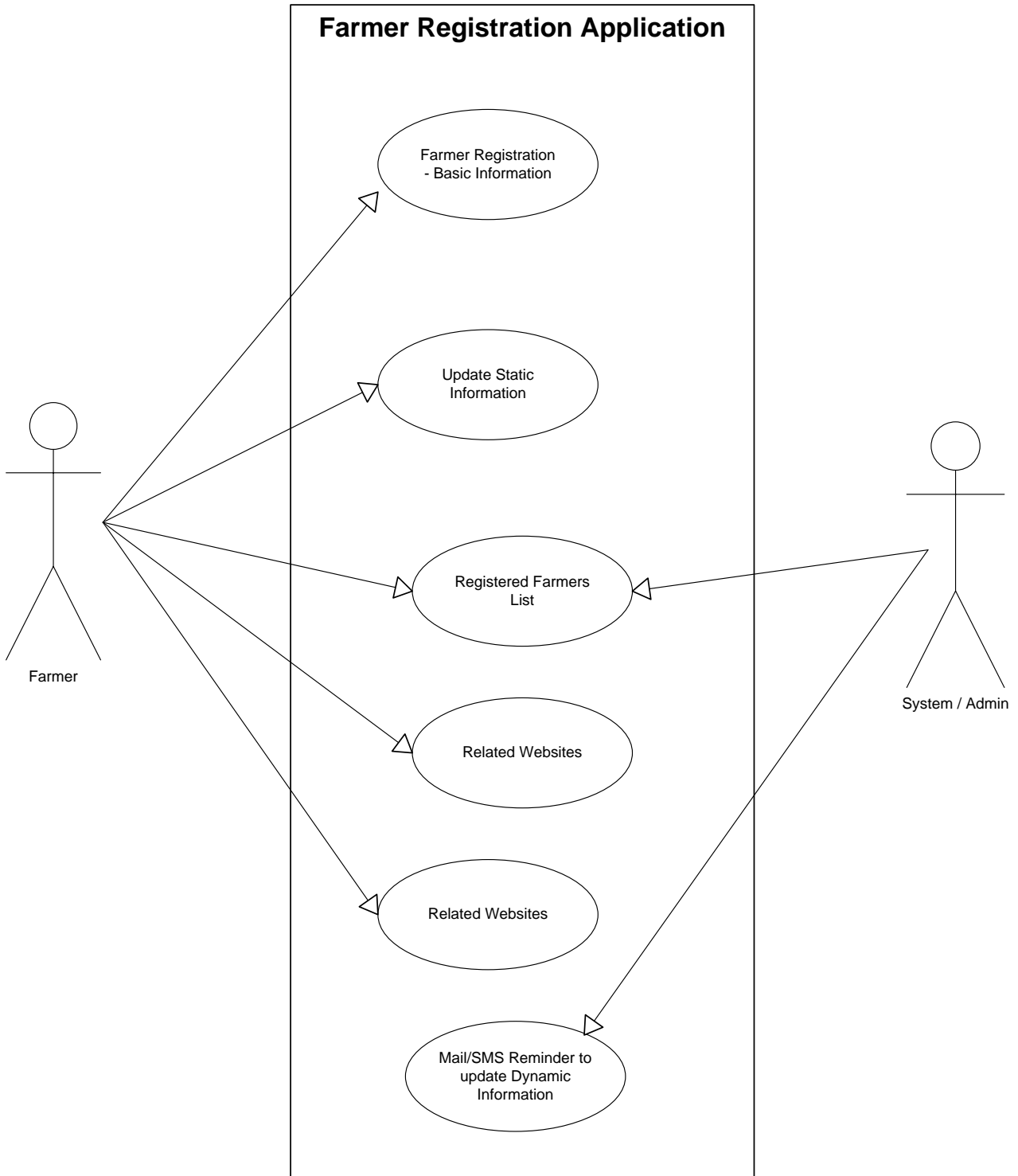
7. Grievance Management



8. Expert Advisory

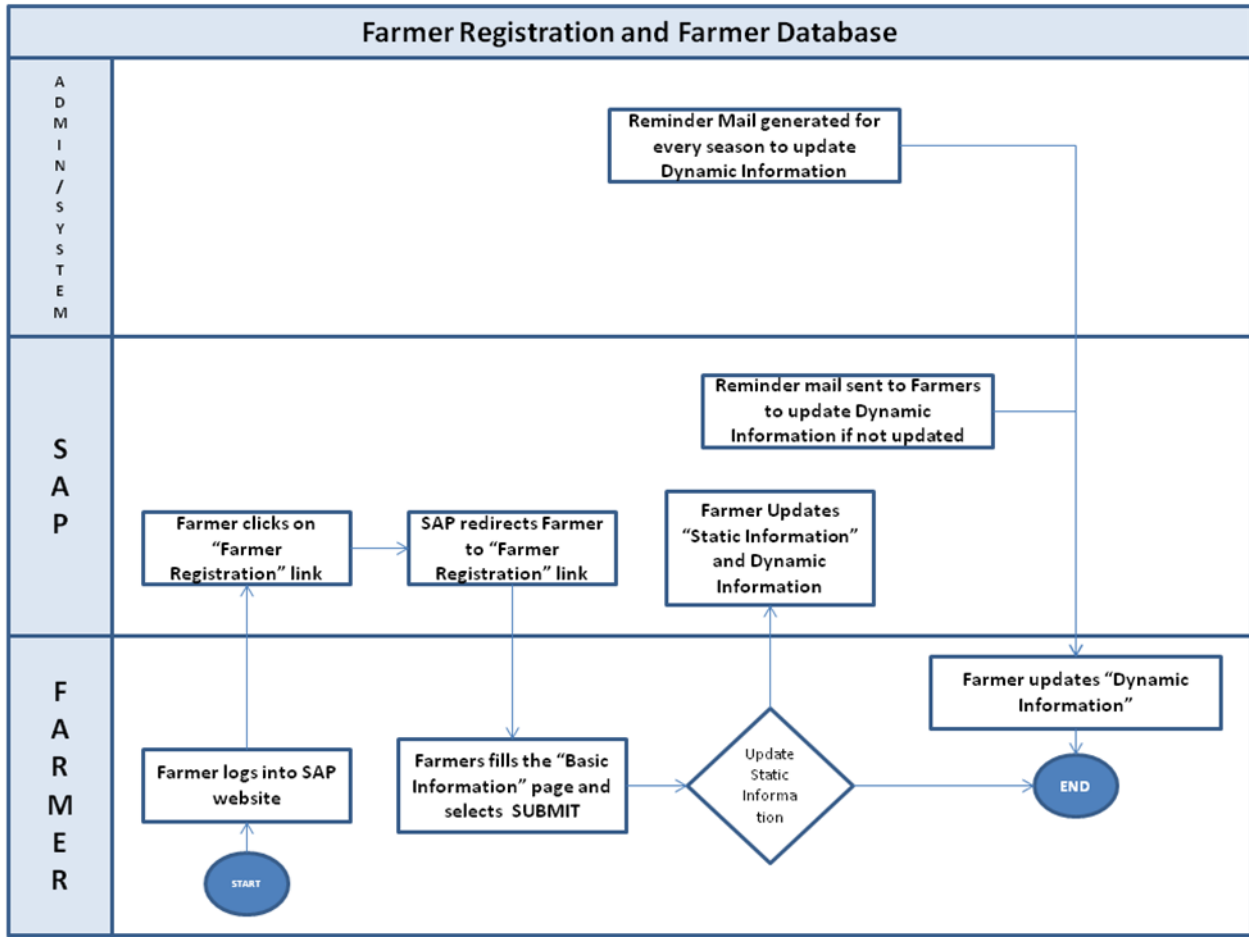


9. Farmer Registration



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 Hectares)
 - 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. Branch Name and Code
 - d. Account Number
 - e. Loan as on date
 - f. 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. 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 Co-operatives, 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

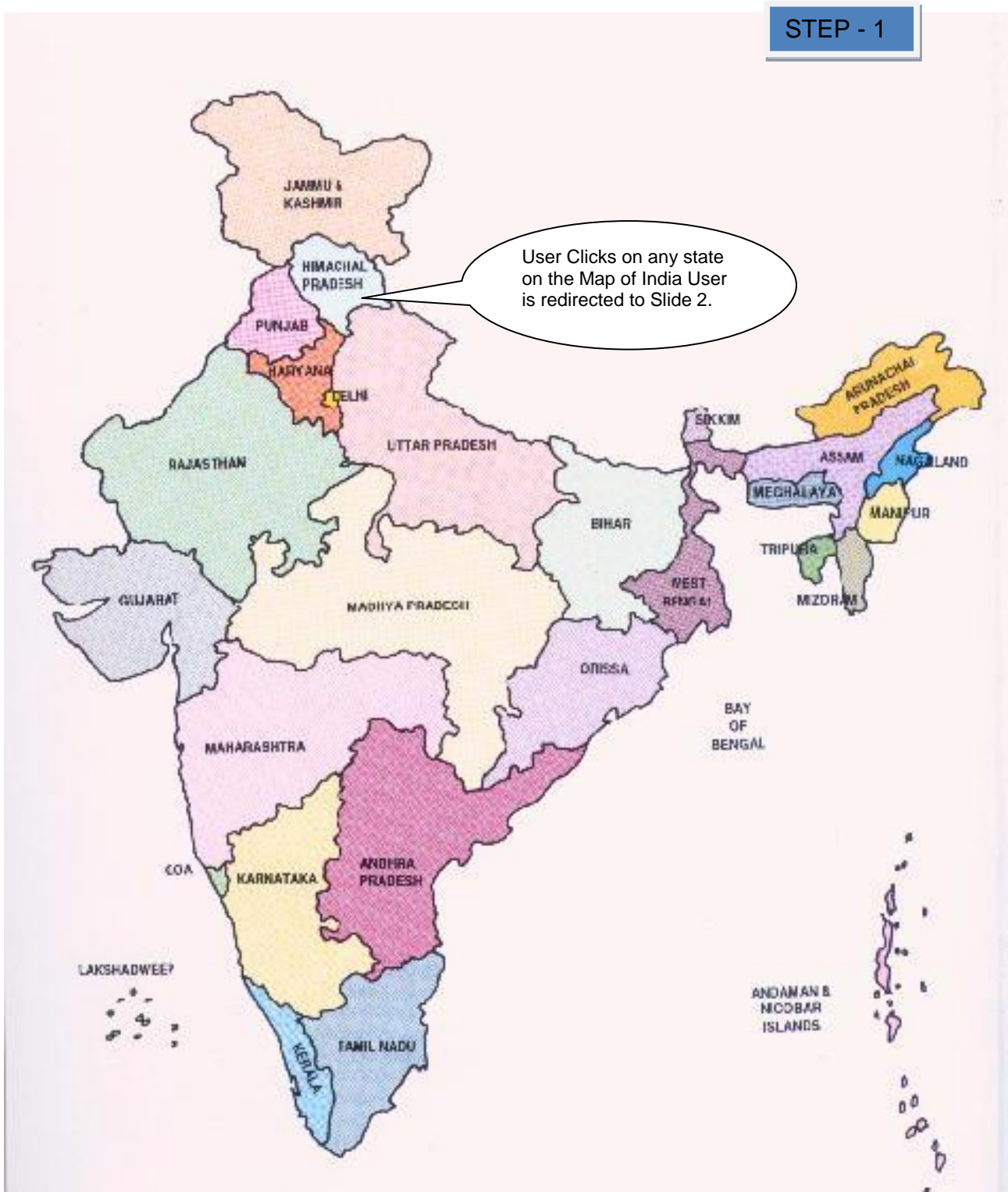
Integration with

1. DMS database for National Dairy Farmer Database
2. National Marine Fishermen Database
3. Land Records database
4. NPR Register, UID database, Post database.

1) MAPS Application – Drill-Down Report

In SAP, there will be the provision of getting reports and other information by clicking at various locations on the map of India. So the information will be filtered based on first click on the State, then the user will get the information related to that specific State which he has clicked.

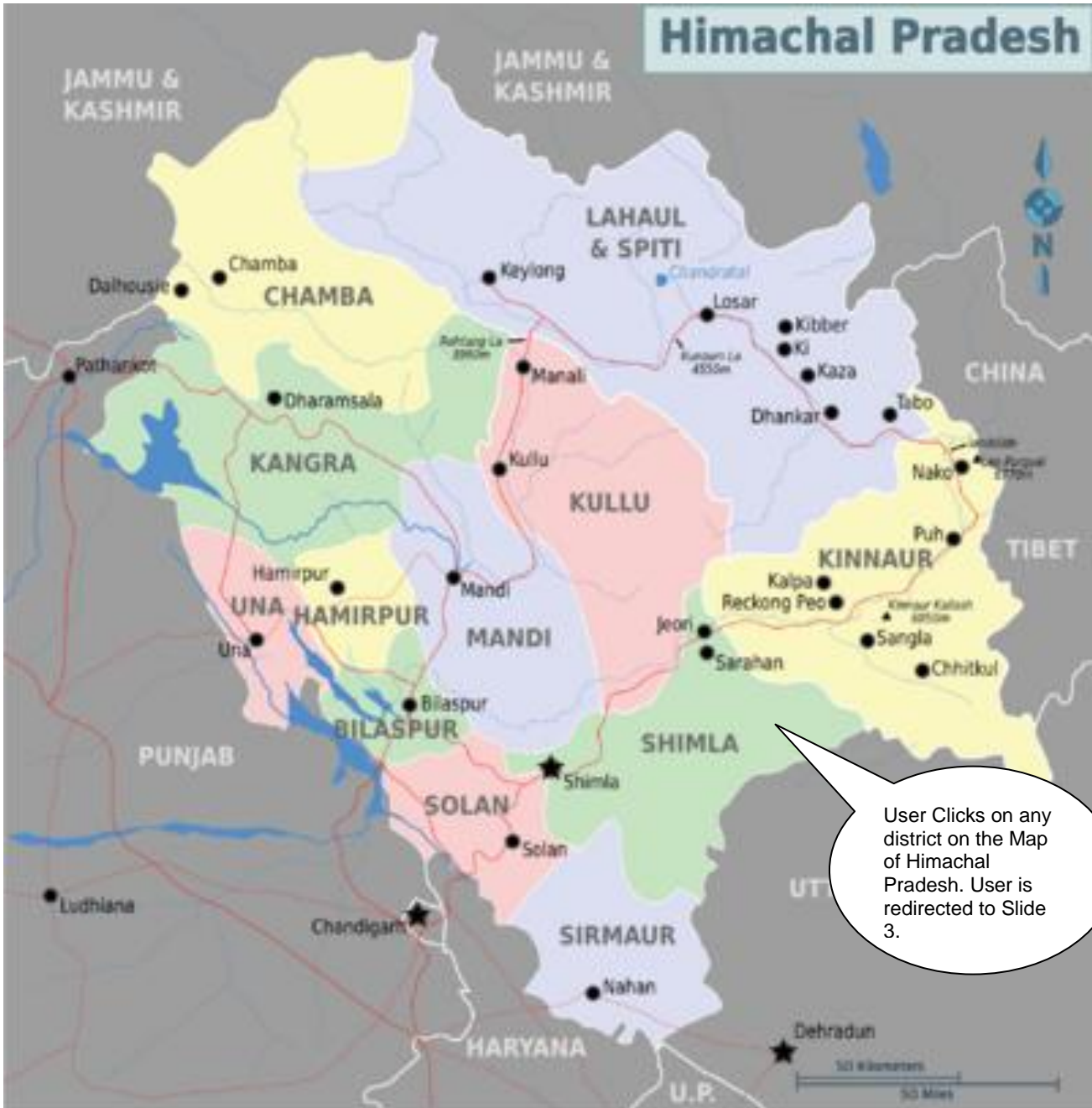
Map of India



Further if the user wishes to know any information related to any city or district of the clicked state, then he/she will further click on the desired district.

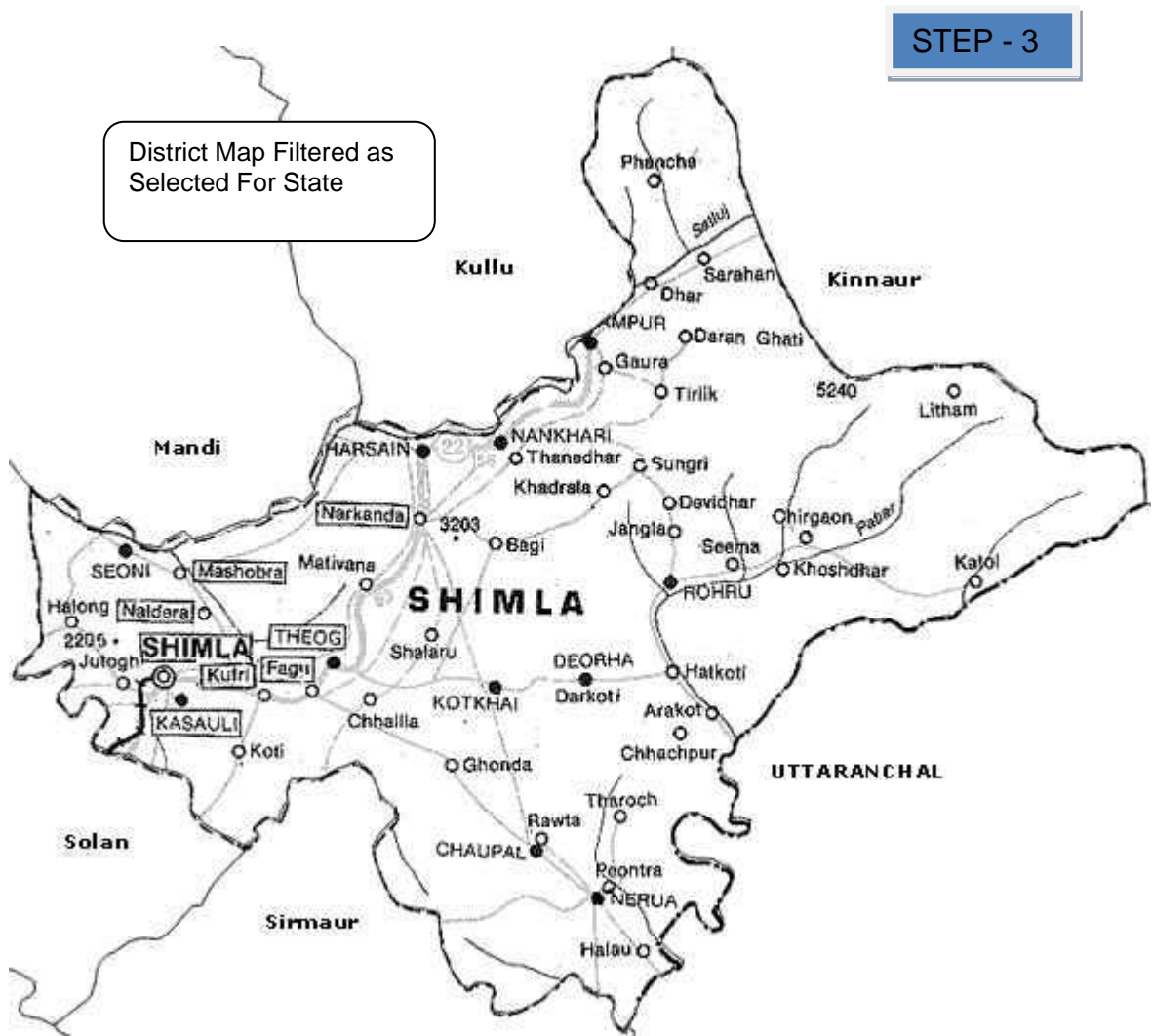
State Map

STEP - 2



Based on the click, the user will be further redirected to that specific city/district, on which he/she clicked and the information related to that district/city will be made available to him.

District Map



II) Standards to be used

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