Annexure - I

Strategic Framework

Area	Approach	Performance measure
Ensure food security and nutritional quality	• Sustainable increase in productivity, efficiency and quality of production system • Identification of prospective areas for the specific production system • Increase food access through revived distribution system	• Concerted effort on plant breeding and productivity enhancement • Revolutionizing the concept of seed village • Contribution of research and development on food security and quality retention and introducing the concept of e-marketing.
Improve the status and quality of natural resources	• Improve soil and land quality management • Conserve and promote genetic diversity • Technology options for land use efficiency, water use efficiency, water quality and water availability enhancement • Technology options for combating climate change • Harnessing the wasteland management technology options	• Improved soil and land quality • Identified diversified genetic resources • Improved quality of land use, water use and water availability status • Enhanced carbon sequestration and application of adaptation strategies by the farmers • Managed waste land and water bodies in a scientific manner
Enhance safe production, value addition and processing of food	• Dehydration, packaging and storage of food products and horticultural produce • Development of fruit products having medicinal value • Total quality assurance and quality standard development	• Increased processed products with good storage quality • Increased fruit products with medicinal value • Development of international market competitiveness

Area	Approach	Performance measure
	• Low cost technology options for value addition	• More value added products
Improve risk management	• Refinement and adoption of bio-intensive IPM • Development of forecasting modules for major diseases • Technology option for residue management of agro-chemicals	• Studies on weather–disease–pest dynamics and forecasting • Establishment of mobile plant pest and disease clinic • Use of identified residue management technology
Commercialization of technologies	• Business incubation for commercialization of agriculture and allied science technologies through organized intellectual property rights and benefits sharing system.	• More and more technologies will reach the end users to benefit both the scientific and farming community.
Human resource development and entrepreneurship development	• Reorient academic programmes, teaching methodologies and course curricula to meet emerging challenges, giving more emphasis on business oriented approach, utilizing multimedia modules for instructions, • Online examinations and network based instructions and use of distance learning teaching technology. • Manpower planning and improving HRD competence. • Introduction of new courses in the emerging areas like biosecurity and biosafety, bioengineering and bioinformatics, agricultural and extension management, information and communication technology, herbal medicines/ pharmaceuticals etc.	• Improved quality of postgraduate teaching and research. • High standard of postgraduate students. • More number of self employed graduates • Improved quality of faculty members

Area	Approach	Performance measure
	• Organization of industry-academia interface workshops to reorient education and research contributing to the economic growth.	• Increased exposure
	• Creating self-employment through entrepreneurship development.	• Developed new entrepreneurship and self employment
Strengthening of extension education systems	• Dissemination of information and technologies through digitization.	• Prompt and effective exchange and dissemination of information regarding the agricultural and allied available technologies amongst the end users.
	• Develop and implement strategy of e-connectivity and cyber extension to drive full advantage of the available human and material sources for their best utilization within a short time.	• Increased use of Information Communication Technology
	• Test and popularize the indigenous farming system technologies with scientific rationale	• Research on sound extension methods and testing of Indigenous knowledge with scientific rationale
	• Design capacity building programmes for faculty and agricultural extension personnel to accelerate the innovation process	• More responsive innovation systems
	• Research studies contributing towards policy and capacity building in: extension planning, management and impact assessment	• Enhanced innovation absorption by client system
	• Emerging institutional arrangements for effective extension and agro advisory services	• Increased institutional efficacy

Area	Approach	Performance measure
Ensuring quality of Education, Research, Extension through infrastructure	• Modernization of three regional research stations and three regional research sub stations • Development of well equipped laboratory and physical infrastructure • Establishment of Colleges at Pedong and Majhian • Establishment of digital library and information service facilities • Establishment of Advanced Centre on Traditional Knowledge • Establishment of Advanced Centre on Information Communication Technology • Establishment of Advanced Centre on Agro-biodiversity • Establishment of Advanced Centre on Plant Health Management	• Enhanced quality and quantity of research and location specific needs and interests will be addressed • High quality of practical exposure to the agri-technocrats • Increased rate of enrolement of local people in agriculture and horticulture • Increased access of knowledge • Documentation and validation as well as use of more untapped knowledge • Reaching the unreached with the epitome of agricultural knowledge • Advanced quality research, education on enriched agro-biodiversity • Location specific plant health management through quality led education, research and extension.