Results-Framework Document (RFD)

for

Indian Institute of Soil Science
(2012 - 2013)

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Section 1: Vision, Mission, Objectives and Functions

Vision

Basic and strategic research on physical, chemical and biological processes in soils for improving soil health and crop productivity

Mission

To provide scientific basis for enhancing and sustaining productivity of soil resource with minimal environmental degradation

Objectives

- Soil health assessment
- Improving soil health and input use efficiency
- Creation of awareness & knowledge

Functions

To plan, coordinate, implement and monitor R &D programmes for improvement of soil health and serve as a knowledge repository in the field of soil science

Section 2 : *Inter se* Priorities among Key Objectives, Success Indicators and Targets

Objectives	Weight	Actions	Success Indicators	Unit	Weight	Target/Criteria Values				
						Excellent	V. Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
Soil health assessment	40	Delineation & characterization of soil fertility	GIS based soil fertility maps delineating areas of nutrient deficiency	Number	40	111	100	89	78	67
Improving soil health and input use efficiency	30	Balanced fertilization/ Integrated Nutrient Management/ conservation agriculture	Technologies / package of practices for different AER of the country for higher productivity	Number	30	8	7	6	5	4
Creation of awareness & knowledge	18	Transfer of technology	Farmers training & Front line demonstrations (FLDS)/workshop organized	Number	18	28	25	22	20	17
Efficient Functioning of the RFD System	3	Timely submission of RFD for 2012-13	On-time submission	Date	2	Mar. 23 2012	Mar. 26 2012	Mar. 27 2012	Mar. 28 2012	Mar. 29 2012
		Timely submission of Results for 2012-13	On-time submission	Date	1	May 1 2013	May 2 2013	May 3 2013	May 6 2013	May 7 2013
Administrative Reforms	5	Implement ISO 9001	Prepare ISO 9001 action plan	Date	1	June 4 2012	June 5 2012	June 6 2012	June 7 2012	June 8 2012
			Implementation of ISO	Date	2	March 25	March	March	March	March 29

			9001 action plan			2013	26 2013	27 2013	28 2013	2013
		Implement mitigating strategies for reducing potential risk of corruption	% of implementation	%	2	100	95	90	85	80
Improving Internal Efficiency / responsiveness / service delivery of Ministry / Department	4	Implementation of Sevottam	Independent Audit of Implementation of Citizen's Charter	%	2	100	95	90	85	80
			Independent Audit of implementation of public grievance redressal system	%	2	100	95	90	85	80

Section 3: Trend values of the success indicators

Objectives	Actions	Success Indicators	Unit	Actual value for 2010 -11	Actual value for 2011 -12	Target value for 2012 -13	Projected value for 2013-14	Projected value for 2014-15
Soil health assessment	Delineation & characterization of soil fertility	GIS based soil fertility maps delineating areas of nutrient deficiency	Number	18	20	100	70	15
Improving soil health and input use efficiency	Balanced fertilization/ Integrated Nutrient Management/ conservation agriculture	Technologies / package of practices for different AER of the country for higher productivity	Number	05	05	7	6	8
Creation of awareness & knowledge	Transfer of technology	Farmers training & Front line demonstrations (FLDS)/workshop organized.	Number	20	20	25	25	25
Efficient Functioning of the RFD System	Timely submission of RFD for 2012-13	On-time submission	Date	-	-	Mar. 26 2012	-	-
	Timely submission of Results for 2012-13	On-time submission	Date	-	-	May 2 2013	-	-
Administrative Reforms	Implement ISO 9001	Prepare ISO 9001 action plan	Date	-	-	June 5 2012	-	-
		Implementation of ISO 9001 action plan	Date	-	-	March 26 2013	-	-
	Implement	% of implementation	%	-	-	95	-	-

	mitigating strategies for reducing potential risk of corruption							
Improving Internal Efficiency / responsiveness / service delivery of Ministry / Department	Implementation of Sevottam	Independent Audit of Implementation of Citizen's Charter	%	-	-	95	-	-
		Independent Audit of implementation of public grievance redressal system	%	-	-	95	-	-

Section 4: Description and definition of success indicators and proposed measurement methodology

Objective 1: With respect to improving soil health and input use efficiency, integrated and balanced nutrient and water management is imperative. The action points/success indicators cover developing GIS based soil fertility maps for delineating nutrient deficiency areas and location specific fertilizer recommendation with respect to major nutrient (N, P, K) and micro nutrients (Fe, Zn, Mn, Cu and S).

Objective 2: Agricultural inputs like nutrient and water are not only costly but also scarce. Integrated plant nutrient supply systems (IPNS) encompassing conjunctive use of both chemical and inorganic nutrient sources (manures, green manuring, vermi/enriched compost, etc) will be developed to improve nutrient use efficiency, soil health and productivity.

Objective 3: The Institute is also organising various farmers training programmes/ front line demonstrations/ workshops to create awareness among farmers about soil test based fertiliser recommendations and INM package for maintenance of soil health and higher crop productivity.

Section 5: Specific performance requirement from other departments that are critical for delivering agreed results

Support is solicited from the associated State line departments and district soil testing laboratories for promoting adoption of developed technologies.

Section 6: Outcome/ Impact of activities of organisation ministry

Outcome/ Impact of organisation/RCs	Jointly responsible for influencing this outcome/ impact with the following organisation(s)/ departments/ ministry(ies)	Success Indicator (s)	Unit	2010-11	2011-12	2012-13	2013-14	2014-15
Better soil health, higher crop yields and input use efficiency	• State Agricultural Universities in which the centres of above AICRPs are located • Agricultural Departments of different states/KVKs/Soil Testing Laboratories	GIS based soil fertility maps delineating areas of nutrient deficiency.	Number	18	27	100	70	15
		Technologies / package of practices for different AER of the country for higher productivity	Number	05	8	7	6	8
		Farmers training & Front line demonstrations (FLDS)/worksho p organized.	Number	20	26	25	25	25
		Soil health cards distributed	Number	200	500	250	100	100