



**Results-Framework
Document (RFD)
for
Project Directorate on
Cattle (2012-13)**

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Section 1

Vision, Mission, Objectives and Functions

Vision: Improvement of cattle for higher productivity and profitability.

Mission: Germplasm improvement and technology development for realizing enhanced productivity and profitability in cattle.

Objectives:

1. To develop a national milch breed of cattle 'Frieswal' using Holstein Friesian X Sahiwal base.
2. Genetic improvement of important indigenous breeds of cattle through progeny testing.
3. Genetic improvement of crossbred cattle under field conditions.

Functions:

Develop a new breed of Cattle Viz 'Frieswal' to yield 4000 kg milk in a mature lactation of 300 days with 4.0 % butter fat by testing Frieswal bulls in field conditions, ranked on the basis of their progeny. Conservation and genetic improvement of some important indigenous breeds of cattle like Ongole, Gir, Kankrej and Sahiwal in their native tract through associated herd testing programme. Conducting basic and applied programmes related to breeding, feeding, semen freezing and reproduction on cattle of long term and short term period.

Section 2:

Inter Se Priorities among Key Objectives, Success indicators and Targets

Objectives	Weight (%)	Actions	Success Indicators	Unit	Weight (%)	Target /Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
To develop a national milch breed of cattle 'Frieswal' using Holstein Friesian X Sahiwal base	34	Selection of young Frieswal male calves for rearing as bulls	Frieswal bull calves selected for rearing	Number	9	82	78	70	60	50
		Production of frozen semen doses of Frieswal bulls	Frozen semen doses produced	Number	9	1,60,000	1,30,000	1,10,000	1,00,000	80,000
		Distribution of frozen semen doses of Frieswal bulls to various Military Farms	Frozen semen doses distributed to Military Farms	Number	8	52,500	50,500	46,000	41,000	36,000
		Data recording on performance of daughters	Performance records received from Military Farms	Number	8	4600	4100	3600	3100	2600
Genetic improvement of important indigenous breeds of cattle through progeny testing	30	Conducting artificial insemination in indigenous breeds (Sahiwal, Gir, Kankrej) of	Inseminations carried out	Number	15	800	700	650	600	550

		cows								
		Productions of progenies of indigenous breeds (Sahiwal, Gir, Kankrej) of cows	Progenies born	Number	15	350	300	275	250	200
Genetic improvement of crossbred cattle under field conditions	24	Carrying out inseminations at various centers of field progeny testing programme	Inseminations carried out	Number	12	15,000	12,000	10,000	9,000	8,000
		Production of progenies at various centers of field progeny testing programme	Progenies produced	Number	12	2400	2200	2000	1800	1600
Efficient functioning of the RFD System	3	Timely submission of RFD for 2012-13	On-time submission	Date	2	March 23 2012	March 26 2012	March 27 2012	March 28 2012	March 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 actin plan	Date	1	June 4 2012	June 5 2012	June 6 2012	June 7 2012	June 8 2012

			Implementation of ISO 9001 action plan	Date	2	March 25 2013	March 26 2013	March 27 2013	March 28 2013	March 29 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 FY 10/11	Actual Value for FY 11/12	Target value for FY 12/13	Projected Value for FY 13/14	Projected Value for FY 14/15
To develop a national milch breed of cattle 'Frieswal' using Holstein Friesian X Sahiwal base	Selection of young Frieswal male calves for rearing as bulls	Frieswal bull calves selected for rearing	Number	81	107	78	90	95
	Production of frozen semen doses of Frieswal bulls	Frozen semen doses produced	Number	82687	263217	130000	150000	160000
	Distribution of frozen semen doses of Frieswal bulls to various Military Farms	Frozen semen doses distributed to Military Farms	Number	52982	56386	50500	55000	55000
	Data recording on performance of daughters	Performance records received from Military Farms	Number	3042	5465	4100	4500	4500
Genetic improvement of important indigenous cattle breeds	Conducting artificial insemination in indigenous breeds (Sahiwal, Gir, Kankrej) of cows	Inseminations carried out	Number	855	847	700	900	1000

	Productions of progenies of indigenous breeds (Sahiwal, Gir, Kankrej) of cows	Progenies produced	Number	506	421	300	400	450
Genetic improvement of crossbred cattle under field conditions	Carrying out inseminations at various centers of field progeny testing programme	Inseminations carried out	Number	17324	18886	12,000	13000	13000
	Production of progenies at various centers of field progeny testing programme	Progenies produced	Number	2315	3381	2200	2400	2400
Efficient Functioning of the RFD System	Timely submission of RFD for 2012-13	On-time submission	Date	--	June 11 2011	March 26 2012	--	--
	Timely submission of results for 2012-13	On-time submission	Date	--	May 3 2012	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 mitigating strategies for reducing potential risk of corruption	% of implementation	%	--	--	95	--	--
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: The Directorate is undertaking a mega project of National importance in collaboration with 36 Military Farms of the country located in various agro climatic zones. The semen of meritorious bulls is being collected, frozen and distributed to Military Farms for AI and up gradation of the Frieswal herds and to stabilize the Frieswal breed at stipulated targets. Number of semen doses produced, preserved and distributed would be the key to success of propagation of breed.

Objective 2: Indigenous breeds of cattle are being conserved and improved in their native tracts in collaboration with SAUs and Goshalas through associated herd testing program.

Objective 3: The meritorious crossbred bulls are progeny tested on large scale in fields located at various places of the country. By this the bulls are progeny tested and milk yield of the adopted farmer's cattle is improved by introduction of superior germplasm. The increase in milk yield of the progenies shall be indicator of genetic improvement of farmers cattle.

Section 5:

Specific Performance Requirement from other Departments

1. The support from Director Frieswal and Military Farms is required in execution of the technical program of Frieswal Project at various farms. Similarly, the selection of young bull calves at various Military Farms is to be taken up rightly so that required number of bull calves is received at bull rearing unit for further rearing and semen collection.
2. The required number of history sheets of Frieswal cows indicating their performance with milk yield and other parameters may be sent from Military Farms for calculation of various breeding and performance data.
3. The timely availability of allocated budget and other logistic support from SAUs are required to different centers undertaken in genetic improvement programme of indigenous breeds.
4. The progeny testing program under field is dependent on the support from SAUs, NGOs and farmers. Their appropriate help at various point of time will determine the progeny testing of bulls and milk yield in field conditions.

Section 6: Outcome/impact of activities of the organization/ ministry

S. No.	Outcome/ impact of organization/ RSCs	Jointly responsible for influencing this outcome/ impact with the following organization (s)/ departments/ ministry (ies)	Success Indicator(s)	Unit	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
1.	Production of genetically superior semen of Friewal cattle	Military Dairy Farms	Number of semen doses distributed/ sold	Number	75490	97847	77000	78000	78500
2.	Quality seed production of indigenous breeds (Gir and kankrej) of cattle	SAUs, State AH departments and Gaushalas	Number of semen doses produced	Number	Started in 2011	6407	6000	7000	7000
3.	Enhancement in the milk production capacity of crossbred cows in field	SAU, NGOs and sister institutes	Percent increase in milk produced (1st lactation) over base population	Percent	15.36	15.50	15.65	15.80	16.00