

# Results Framework Document

for

Project Directorate on  
Cattle, Meerut Cantt.

(2011-12)

## 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. Conservation and genetic improvement of important indigenous cattle breeds.
3. Genetic improvement of crossbred cattle under field conditions through progeny testing.

#### 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	80	75	65	55	50
		Production of Frozen semen doses of Frieswal bulls	Frozen semen doses produced	Number	9	1,50,000	1,20,000	1,00,000	85,000	60,000
		Distribution of frozen semen doses of Frieswal bulls to various Military Farms	Frozen semen doses distributed to Military Farms	Number	8	52,000	50,000	45,000	40,000	35,000
		Data recording on performance of daughters	Performance records received from Military Farms	Number	8	4500	4000	3500	3000	2500
Genetic improvement of important indigenous breeds of cattle through	30	Conducting artificial insemination of Ongole cows	Inseminations carried out	Number	10	900	800	700	650	600
		Productions of progenies in	Progenies born	Number	10	400	350	300	250	200

progeny testing		Ongole breed								
		Completion of first lactation records in Ongole breed	Animals completing first lactation	Number	10	70	60	55	50	45
Genetic improvement of crossbred cattle under field conditions	25	Carrying out inseminations at various centers of field progeny testing programme	Inseminations carried out	Number	13	14,000	11,000	9,000	8,000	7,000
		Production of progenies at various centers of field progeny testing programme	Progenies produced	Number	12	2200	2000	1800	1600	1400
Efficient functioning of the RFD system	11	Timely submission of draft for approval	Ontime submission	Date	2	10.6.2011	11.6.2011	12.6.2011	13.6.2011	14.6.2011
		Timely submission of results	Ontime submission	Date	1	1.5.2012	3.5.2012	4.5.2012	5.5.2012	6.5.2012
		Preparation of strategic plan for next five year plan	On time finalization of strategic plan for next five year plan	Date	2	10.12.2011	15.12.2011	20.12.2011	24.12.2011	31.12.2011
		Identification of potential areas of corruption for mitigation	Identify potential areas of corruption	Date	2	10.12.2011	15.12.2011	20.12.2011	24.12.2011	31.12.2011

			related to organization activity and develop an action plan to mitigate them							
		Implementation of Sevottam	Create a Sevottam compliant system to implement, monitor and review citizen's charter	Date	2	10.12.2011	15.12.2011	20.12.2011	24.12.2011	31.12.2011
			Create a Sevottam compliant system to redress and monitor public grievances	Date	2	10.12.2011	15.12.2011	20.12.2011	24.12.2011	31.12.2011

Section 3:

Trend Values of the Success Indicators

Objectives	Actions	Success Indicator	Unit	Actual Value for FY 09/10	Actual Value for FY 10/11	Target value for FY 11/12	Projected Value for FY 12/13	Projected Value for FY 13/14
1. 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	Numbers	83	81	75	90	90
	Production of Frozen semen doses of Frieswal bulls	Frozen semen doses produced	Numbers	106432	82687	120000	150000	150000
	Distribution of frozen semen doses of Frieswal bulls to Various Military Farms	Frozen semen doses distributed to Military Farms	Numbers	58552	52982	50000	55000	55000
	Data recording on performance of daughters	Performance records received from Military Farms	Numbers	3257	3042	4000	45000	45000
2. Genetic improvement of important indigenous cattle breeds	Conducting artificial Insemination of Ongole cows	Inseminations carried out	Numbers	905	855	800	900	900
	Productions of progenies of Ongole breed	Progenies produced	Numbers	395	506	350	400	400
	Completion of first lactation	Animals completing first	Numbers	74	76	60	75	75

	records in Ongole breed	lactation						
3. Genetic improvement of crossbred cattle under field conditions	Carrying out inseminations at various centers of field progeny testing programme	Inseminations carried out	Numbers	12809	17324	11000	13000	13000
	Production of progenies at various centers of field progeny testing programme	Progenies produced	Numbers	2213	2315	2000	2350	2400
4. Efficient functioning of RFD system	Timely submission of draft for approval	On time submission	Date	--	--	11.6.2011		
	Timely submission of results	On time submission	Date	--	--	3.5.2012		
	Preparation of strategic plan for next five year plan	On time finalization of strategic plan for next five year plan	Date	--	--	15.12.2011		
	Identification of potential areas of corruption for mitigation	Identify potential areas of corruption related to organization activity and develop an action plan to mitigate them	Date	--	--	15.12.2011		

	Implementation of Sevottam	Create a Sevottam compliant system to implement, monitor and review citizen's charter	Date	--	--	15.12.2011		
		Create a Sevottam compliant system to redress and monitor public grievances	Date	--	--	15.12.2011		



## 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)	2009-2010	2010-2011	2011-2012 (Expected)	2012-2013 (Expected)	2013-2014 (Expected)
1.	Production of genetically superior semen of Friewal cattle	Military Dairy Farms	Number of semen doses distributed/ sold	73251	75490	76000	77000	78000
2.	Quality seed production of Ongole cattle	SAUs, State AH departments and Gaushalas	Number of semen doses produced	23530	6980	20000	21000	21500
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	15.18	15.36	15.50	15.65	15.80