



Results-Framework Document (RFD)

for

**PROJECT DIRECTORATE ON POULTRY
(2013–2014)**

Address : Rajendranagar, Hyderabad - 500 030

Website : www.pdonpoultry.org

SECTION 1 : VISION, MISSION, OBJECTIVES AND FUNCTIONS

Vision

To enhance productivity of chicken for household nutritional security, income and employment generation

Mission

To develop and propagate improved varieties of chicken for sustainable production under intensive and extensive systems

Objectives

- 1) Improvement of pureline chickens
- 2) Production and supply of improved poultry germplasm

Functions

- 1) To coordinate and monitor ICAR-sponsored network research programmes
- 2) To undertake applied research on genetics and breeding, and conservation of improved chicken germplasm with supportive research on nutrition, disease control and management
- 3) To lay special emphasis on development of chicken varieties for meeting the needs of rural/tribal and other under-privileged sections of the society

SECTION 2 : *Inter se* priorities among Key Objectives, Success Indicators and Targets

Sl. No.	Objectives	Weight	Actions	Success Indicators	Unit	Weight	Targets/Criteria Value					
							Excellent	Very Good	Good	Fair	Poor	
							100%	90%	80%	70%	60%	
1	Improvement of pureline chickens	43	Evaluation of primary traits	Chicks evaluated for juvenile traits	No.	13	42000	40000	38000	36000	34000	
				Breeders evaluated for production traits	No.	15	32000	30000	28000	26000	24000	
				Candidate gene analysis	Gene fragments analysed	No.	8	10	9	8	7	6
				Balanced nutrition to purelines/ parents/ crosses	Feed formulated and compounded	MT	7	775	750	725	700	675
2	Production and supply of improved poultry germplasm	46	Supply of poultry seed	Hatching eggs, chicks & grownup birds distributed (including parents)	No.	46	650000	600000	550000	500000	450000	
	Efficient Functioning of the RFD System	3	Timely submission of Draft RFD (2013-14) for approval	On-time submission	Date	2	15/05/2013	16/05/2013	17/05/2013	20/05/2013	21/05/2013	

			Timely submission of Results for RFD (2012-13)	On-time submission	Date	1	01/05/2013	02/05/2013	05/05/2013	06/05/2013	07/05/2013
	Administrative Reforms	4	Implement ISO 9001 as per the approved action plan	% Implementation	%	2	100	95	90	85	80
			Prepare an action plan for Innovation	On-time submission	Date	2	30/07/2013	10/08/2013	20/08/2013	30/08/2013	10/09/2013
	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

Sl. No.	Objectives	Actions	Success indicators	Unit	Actual value for FY 11/12	Actual value for FY 12/13	Target value for FY 13/14	Projected value for FY 14/15	Projected value for FY 15/16
1	Improvement of pureline chickens	Evaluation of primary traits	Chicks evaluated for juvenile traits	No.	35647	61598	40000	41000	42000
			Breeders evaluated for production traits	No.	22688	37081	30000*	31000	32000
		Candidate gene analysis	Gene fragments analysed	No.	8	8	9	10	11
		Balanced nutrition to purelines/parents/crosses	Feed formulated and compounded	MT	769	723.55	750	775	800
2	Production and supply of improved poultry germplasm	Supply of poultry seed	Hatching eggs, chicks & grownup birds distributed (including parents)	No.	456061	6,15,376 ^s	600000	620000	640000
	Efficient Functioning of the RFD System	Timely submission of Draft RFD (2013-14) for approval	On-time submission	Date	-	-	16/05/2013	-	-
		Timely submission of Results for RFD (2012-13)	On-time submission	Date	-	-	02/05/2013	-	-
	Administrative Reforms	Implement ISO 9001 as per the approved action plan	% Implementation	%	-	-	95	-	-

		Prepare an action plan for Innovation	On-time submission	Date	-	-	10/08/2013	-	-
	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	-	-

** 2 AICRP centres being dropped in XII Plan*

\$ Supply from Poultry seed project got added

SECTION 4 : Acronyms

Sl.No	Acronym	Description
1.	PDP	Project Directorate on Poultry
2.	ICAR	Indian Council of Agricultural Research
3.	AICRP	All India Coordinated Research Project
4.	SSCP	Short Sequence Confirmation Polymorphism
5.	NGO	Non-Government Organization
6.	KVK	Krishi Vigyan Kendra
7.	ASM	Age At Sexual Maturity
8.	IGF	Insulin-like Growth Factor
9.	AH	Animal Husbandry
10.	SAU	State Agricultural University

SECTION 4 : Description and definition of Success Indicators and Proposed Measurement Methodology

Sl. No.	Success indicator	Description	Definition	Measurement	General Comments
1.	Chicks evaluated for juvenile traits	At PDP, different lines (2 male lines, PD-2, PD-3 & PD-4) will be regenerated after selection for traits of importance. Under AICRP, 1000 chicks will be produced in local native birds through random mating at each centre. Coloured broiler pure lines will be regenerated after selection for traits of importance with the optimum number of chicks from dams selected based on 5 week body weight (broiler male lines) and two-stage selection for 5 week body weight and egg production (broiler female lines).	Chicks of purelines need to be evaluated for juvenile traits so as to bring about improvement in their growth rate	Number	Growth rate during young age has considerable importance since meat is the final product from broiler poultry production
2.	Breeders evaluated for production traits	Production performance in various purelines (rural, layer and broiler lines) and test crosses will be evaluated under intensive system of rearing at PDP and AICRP centres. At the time of housing, 500 pullets and 150 males will be kept for recording data. For commercial layers and broilers under AICRP, different pureline chicken populations will be evaluated for the selection traits, viz. body weight during juvenile period in broiler lines, production traits in layer and broiler lines as per the standard procedure.	Evaluation of rural, layer and broiler chicken purelines (breeders) for production parameters like ASM, body weight at maturity, egg production, egg weight etc.	Number	Evaluation of breeders for production traits helps in selection and thereby improves the productivity
3.	Gene fragments analysed	Candidate genes like IGF-1 & myostatin promoter associated with growth traits, respectively will be analysed by SSCP	Various candidate genes associated with growth will be studied	Number	Candidate gene analysis may provide insight into the gene

		followed by sequencing. Genotypes will be established. The frequency of the genotypes and alleles for the gene will be estimated in chicken population.			and trait association for important economic traits
4.	Feed formulated and compounded	The purelines and crosses will be provided balanced nutrition as per age, season etc. to meet the requirements of nutrients.	Feed is blend of several raw materials like cereals, protein cakes, vitamins, minerals and feed additives	Metric Ton	To be prepared as per the type, age and number of birds
5.	Hatching eggs, chicks & grownup birds distributed (including parents)	The improved chicken germplasm developed by the Directorate (Vanaraja, Gramapriya, Krishibro etc.) will be popularised through print and electronic media, participation in exhibitions etc. The Directorate is maintaining good liaison with the developmental organizations of state and central governmental agencies, NGOs, KVKs etc. The centres of poultry seed project/AICRP also will be popularising the improved germplasm. The germplasm will be supplied in the form of day old chicks, fertile eggs and parents to the farmers and other stake holders.	Distribution of improved chicken germplasm to improve the poultry production and productivity in the country, particularly in the rural and tribal areas	Number	Propagation of improved germplasm may help in improving the nutritional and economic status of rural, tribal and other under-privileged sections of the society.

SECTION 5 : Specific Performance Requirements from other Departments

Location Type	State	Organisation Type	Organisation Name	Relevant Success Indicator	What is your requirement from this organisation	Justification for this requirement	Please quantify your requirement from this Organisation	What happens if your requirement is not met.
All India	All	NGOs, Govt. agencies, farmers etc.	State AH Depts., KVKs, Govt. agencies, NGOs etc.	Hatching eggs, chicks & grownup birds distributed (including parents)	Demand for poultry seed	Indent for poultry seed of improved germplasm like Vanaraja, Gramapriya etc.	Poultry seed is produced as per the requirements of stakeholders.	Does not affect as the activities of the institute are basically research oriented and production and supply is demand driven based on the management/production capacities of the stakeholders. However, in case of disease outbreak, the activity is likely to be affected

SECTION 6 : Outcome/Impact of the Organisation

Sl. No.	Outcome/ impact of the Organisation	Jointly responsible for influencing this outcome/impact with the following organisation (s)/department (s) /ministry (ies)	Success indicator (s)	Unit	2011-12	2012-13	2013-14	2014-15	2015-16
1	Improved productivity in layer, broiler and rural chickens	SAUs, ICAR Institutes	Genetic response in pureline chickens	%	2.34	2.64	2.5	2.6	2.7