

APPENDIX I

(A) SUBJECT ALLOCATED TO DEPARTMENT OF AGRICULTUREAL RESEARCH AND EDUCATION

Part I

The following are subjects which fall within list I of the Seventh Schedule of the Constitution of India.

1. International co-operation in the field of agricultural research and education including relations with foreign and international agricultural research and education institutions and organizations
2. Fundamental, applied and operational research and higher education including co-ordination of such research and higher education in agriculture, agroforestry, animal husbandry, dairying, fisheries, agricultural engineering and horticulture, including agricultural statistics, economics and marketing
3. Co-ordination and determination of standards in institutions for higher education or for research and scientific and technical institutions in so far as they relate to food and agriculture including animal husbandry, dairying and fisheries, Development of Human Resources in agricultural research /extension and education
4. Cesses for financing to the Indian Council of Agricultural Research and the commodity research programmes other than those relating to tea, coffee and rubber
5. Sugarcane research

Part II

For Union Territories the subjects mentioned in Part I above so far as they exist in regard to these territories and in addition the following subject which falls within list II of the Seventh Schedule to the Constitution of India.

6. Agricultural Education and Research

Part III

General and consequential:

7. Plant, animal and fish introduction and exploration
8. All- India Soil and Land-Use Survey relating to research, training, co-relation, classification, soil mapping and interpretation
9. Financial assistance to state governments and agricultural universities in respect of agricultural research and educational schemes and programmes
10. National Demonstrations
11. Indian Council of Agricultural Research and its constituent institutes, National Research Centres, Project Directorates, Bureaux and All-India Coordinated Projects
12. Research and Development on production and improvement of bio-fuels plants

APPENDIX II

TOTAL NUMBER OF POSTS AND NAMES OF IMPORTANT FUNCTIONARIES

Group	Designation	Sanctioned strength
A	Secretary, DARE and DG, ICAR	1
A	Additional Secretary, DARE and Secretary, ICAR	1
A	Additional Secretary and Financial Adviser	1
A	Director	1
A	Deputy Secretary	1
A	Senior Principal Private Secretary / Principal Staff Officer	1
A	Joint Director	1
A	Under Secretary	7
A	Principal Private Secretary	3
B	Assistant Director (OL)	1
B	Private Secretary	3
B	Section Officer	4
B	Assistant	4
B	Personal Assistant / Steno Grade "C"	3
C	Junior Hindi Translator	1
C	UDC-cum-Cashier	1
C	UDC	2
C	Stenographer Grade "D"	3
C	UDC-Hindi Typist	1
C	Staff Car Driver	1
C	LDC	2
D	Daftry	1
D	Peon	5
	Total	49

NAMES OF THE IMPORTANT FUNCTIONARIES

Sl.No.	Name	Designations
1.	Dr S. Ayyappan	Secretary, DARE & Director General, ICAR
2.	Shri Arvind R. Kaushal	Additional Secretary, DARE & Secretary (ICAR)
3.	Shri P.K. Pujari	Additional Secretary & Financial Adviser (DARE/ICAR)
4.	Shri Rajesh Ranjan	Director, DARE
5.	Smt. Nirnanjan Kaur	Deputy Secretary
6.	Shri Mohinder Kumar	Sr. PPS
7.	Shri R.C. Yadav	Under Secretary
8.	Smt. Alka Ahuja	Under Secretary
9.	Shri Harihar Mishra	Under Secretary
10.	Shri Irsad Alam	Under Secretary
11.	Shri V.K. Singh	Under Secretary
12.	Shri Vijay Singh	Under Secretary
13.	Ssmt. Rekha Anand	Under Secretary
14.	Shri A.K. Bhardwaj	Principal Private Secretary
15.	Shri V. Kurien John	Principal Private Secretary
16.	Dr Puran Singh	Assistant Director (OL)

APPENDIX III

ACTIVITY PROGRAMME CLASSIFICATION

The Budget Estimates (BE) of DARE (Plan, Non-Plan) for 2012–2013 is Rs 15500.00 crores and Rs 1965.00 respectively and Revised Estimates (RE) of DARE (Plan, Non-Plan) for 2012-13 is Rs 4724.00 and Rs. 40,412.00 respectively. The BE for 2013–14 (Pan, and Non-Plan) is Rs. 5214.30 crore and Rs. 40453.00. The detailed break-up these financial figures are given below in Tables 1.

Department of Agricultural Research and Education (DARE): The details in respect of BE and RE for 2012–2013 and BE for 2012–2013 are given in Table 1. This excludes the payment to the ICAR.

Table 1. Budget estimates and revised estimates of DARE

(Rupees in lakh)

Item	Budget Estimates 2012–2013		Revised Estimates 2012–2013		Budget Estimates 2013–2014	
	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan
Major Head '3451'						
090 Secretary	–	382.00	–	377.00	–	490.00
Major Head '2415'						
80 -General						
International Co-operation						
(010032) -India's membership contribution to Commonwealth Agricultural Bureau International (CABI)	–	35.25	–	35.25	–	35.25
(020032) -India's membership contribution to Consultative Group on International Agricultural Research	–	1500.00	–	400.00	–	400.00
03 -Other programmes						
(030012) -Foreign Travel expenses	80.00	–	35.00	–	–	–
(030020) -Other Administrative expenses	20.00	–	15.00	–	–	–
(040032) -India's contribution to Asia Pacific Association of Agricultural Institutions		5.25	–	5.25	–	5.25
(050032) -India's contribution to NACA		31.00	–	31.00	–	31.00
(060032) -India's contribution to CGPRT		8.00	–	8.00	–	8.00
(070032) -India's contribution to Seed Testing Associations		3.25	–	3.25	–	3.25
(080032) -ISHS Belgium		0.25	–	0.25	–	0.25
Major head "2415"						
02 Grant-in-Aid Central Agricultural University Bundelkhand						
120 Assistance to other institutions						
(020031) -Grants-in-Aids-General	200.00	–	5.00	–	200.00	–
(020035) -Grants for creation of Capital assets	1600.00	–	90.00	–	4600.00	–
(020036) -Grants-in Aid Salaries	200.00	–	4.00	–	200.00	–
(03) -Grants-in-Aids to Central Agricultural University, Bihar						
(030031) -Grants-in-Aids-General	100.00	–	0.33	–	900.00	–
(030035) -Grant for creation of Capital Assets	100.00	–	0.33	–	900.00	–
(030036) -Grants-in-Salaries	800.00	–	0.34	–	1200.00	–
Major Head '2552' North Eastern Areas						
259 -General (Agri.Res.& Edn. Schemes)						
(01) -Grants-in-Aids to Central Agricultural University, Imphal						
010031 -Grants-in-Aids-General CAU, Imphal	2075.00	–	1356.00	–	1089.90	–
010035 -Grants-in-Aids-Capital CAU, Imphal	2965.00	–	2490.00	–	3760.80	–
010036 Grants in Aid Salaries	5460.00	–	4653.00	–	5049.30	–
02 Grant-in-Aid Central Agricultural University, Barapani						
020031 Grants in Aid General	200.00	–	0.33	–	20.00	–
020035 Grant for creation of Capital Assets	1000.00	–	0.33	–	60.00	–
020036 Grants in Aid Salaries	800.00	–	0.34	–	20.00	–
Total	15600.00	1965.00	8650.00	860.00	18000.00	973.00

Table 2. Details of financial outlay
Demand No. 2 Department of Agricultural Research and Education

The gross provision for Demand No. 2 - DARE, excluding recoveries, is as under: (Rupees in crore)

Particulars	Actuals 2011-12			Budget 2012-2013			Revised 2012-2013			Budget 2013-2014				
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total		
Revenue	2581.51	2156.34	4737.85	3220.00	2172.00	5392.00	2520.00	2100.00	4620.00	3415.00	2314.17	5729.17		
Capital	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Total	2581.51	2156.34	4737.85	3220.00	2172.00	5392.00	2520.00	2100.00	4620.00	3415.00	2314.17	5729.17		
(In crores of Rupees)														
Particulars	Actuals 2011-12			Budget 2012-2013			Revised 2012-2013			Budget 2013-2014				
	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total		
Less Amount met from Social and Infrastructure Development Fund	-8.54	0.00	-8.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Total	-8.54	0.00	-8.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
(In crores of Rupees)														
Sl. No.	Group/Sub Group/Sub Scheme/Sub Programme	Major Head	Actuals 2011-2012			Budget 2012-2013			Revised 2012-2013			Budget 2013-2014		
			Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
1.	Revenue		2572.97	2156.34	4729.31	3220.00	2172.00	5392.00	2520.00	2100.00	4620.00	3415.00	2314.17	5729.17
	Capital		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total		2572.97	2156.34	4729.31	3220.00	2172.00	5392.00	2520.00	2100.00	4620.00	3415.00	2314.17	5729.17
	Secretariat - Economic Service	3451	0.00	3.42	3.42	0.00	3.82	3.82	0.00	3.77	3.77	0.00	4.90	4.90
2.	Agricultural Research and Education													
	Payments to Indian Council of Agricultural Research (ICAR)													
	Crop Husbandry													
	Payments of net proceeds of cess under Agricultural Produce Cess Act, 1940	2415	0.00	0.47	0.47	0.00	1.50	1.50	0.00	0.50	0.50	0.00	0.25	0.25
2.02	Other Programmes of Crop Husbandry													
	Crop Science	2415	392.77	589.16	981.93	448.00	629.68	1077.68	401.00	621.87	1022.87	453.00	694.79	1147.79
	Horticulture	2415	191.20	240.23	431.43	226.00	257.23	483.23	135.00	242.33	377.33	186.00	269.91	455.91
	Agricultural Extension	2415	510.57	2.98	513.55	449.00	3.67	452.67	409.60	3.90	413.50	462.00	4.05	466.05
2.02.04	Agricultural Education													
	Agricultural Education	2415	566.54	192.09	758.63	563.00	57.56	620.56	531.00	46.54	577.54	455.00	55.39	510.39
	Less Amount met from Social and Infrastructure Development Fund	2415	-8.54	0.00	-8.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Economic Statistics and Management	2415	3.00	31.46	34.46	5.00	36.97	41.97	3.50	32.87	36.37	10.00	38.02	48.02

(Table 2 continued)

(Rupees in crore)

Sl. No.	Group/Sub Group/Sub Scheme/Programme/ Sub Programme	Major Head	Actuals 2011-2012			Budget 2012-2013			Revised 2012-2013			Budget 2013-2014		
			Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
2.02.06	Agricultural Engineering	2415	69.56	72.14	141.70	75.00	82.97	157.97	49.00	79.50	128.50	72.00	92.24	164.24
2.02.07	ICAR Hqr. Admn. including Agricultural Scientists Recruitment Board, Directorate of Information & Publication in Agriculture and Intellectual Property Rights Management	2415	121.33	135.03	256.36	200.00	140.21	340.21	96.00	141.94	237.94	395.00	121.31	516.31
2.02.08	National Fund for Basic, Strategic and Frontier Application Research in Agriculture	2415	38.00	0.00	38.00	80.00	0.00	80.00	55.00	0.00	55.00	75.00	0.00	75.00
2.02.09	National Agricultural Innovation Project/Externally Aided Project	2415	176.00	0.00	176.00	121.00	0.00	121.00	133.00	0.00	133.00	385.00	0.00	385.00
Total-Other Programmes of Crop Husbandry			2060.43	1263.09	3323.52	2167.00	1208.29	3375.29	1813.10	1168.95	2982.05	2493.00	1275.71	3768.71
Total-Crop Husbandry			2060.43	1263.56	3323.99	2167.00	1209.79	3376.79	1813.10	1169.45	2982.55	2493.00	1275.96	3768.96
3.01	Soil and Water Conservation	2415	6.00	31.25	37.25	7.00	34.32	41.32	3.00	32.54	35.54	0.00	0.00	0.00
3.02	Other Natural Resource Management Institutes including Agro-Forestry Research	2415	228.09	257.39	485.48	225.00	275.26	500.26	161.00	256.77	417.77	175.00	324.54	499.54
3.03	Climate Resilient Agriculture Initiative	2415	132.00	0.00	132.00	100.00	0.00	100.00	68.00	0.00	68.00	80.00	0.00	80.00
Total-Soil and Water Conservation			366.09	288.64	654.73	332.00	309.58	641.58	232.00	289.31	521.31	255.00	324.54	579.54
4.	Animal Husbandry	2415	201.53	390.07	591.60	230.00	416.36	646.36	179.00	414.65	593.65	205.00	465.60	670.60
5.	Fisheries	2415	94.00	206.42	300.42	98.00	216.62	314.62	65.00	217.99	282.99	80.00	238.34	318.34
6.	National Institute for Biotic Stress Management	2415	0.01	0.00	0.01	20.00	0.00	20.00	1.00	0.00	1.00	0.00	0.00	0.00
7.	Indian Institute of Agricultural Biotechnology	2415	0.01	0.00	0.014	20.00	0.00	20.00	2.00	0.00	2.00	0.00	0.00	0.00
Total-Payments to Indian Council of Agricultural Research (ICAR)			2722.07	2148.69	4870.76	2867.00	2152.35	5019.365	2292.10	2091.40	4383.50	3033.00	2304.44	5337.44
8.	Contributions to Commonwealth Agricultural Bureau, Consultative Group on International Agricultural Research and Association of Asia Pacific Agricultural Research Institutions	2415	100.98	4.23	105.21	1.00	15.83	16.83	0.50	4.83	5.33	0.00	4.83	4.83

(Table 2 concluded)

(Rupees In crore)

Sl. No.	Group/Sub Group/Sub Scheme/Sub Programme/ Sub Group/ Head	Major Head	Actuals 2011-2012			Budget 2012-2013			Revised 2012-2013			Budget 2013-2014		
			Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
9.	Central Agricultural University, Bunde	2415	0.00	0.00	0.00	20.00	0.00	20.00	0.99	0.00	0.99	50.00	0.00	50.00
10.	Central Agricultural University, Bihar	2415	0.00	0.00	0.00	10.00	0.00	10.00	0.01	0.00	0.01	30.00	0.00	30.00
11.	Lumpsum provision for projects/ schemes for the benefit of North Eastern Region and Sikkim	2552	0.00	0.00	0.00	322.00	0.00	322.00	226.40	0.00	226.40	302.00	0.00	302.00
	Total-Agricultural Research and Education													
			2823.05	2152.92	4975.97	3220.00	2168.18	5388.18	2520.00	2096.23	4616.23	3415.00	2309.27	5724.27
12.	Actual Recoveries	2415	-250.08	0.00	-250.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grand Total		2572.97	2156.34	4729.31	3220.00	2172.00	5392.00	2520.00	2100.00	4620.00	3415.00	2314.17	5729.17
Major Head-wise Totals														
			Actuals 2011-2012			Budget 2012-2013			Revised 2012-2013			Budget 2013-2014		
			Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
		2415.00	2572.97	2152.92	4725.89	2898.00	2168.18	5066.18	2293.60	2096.23	4389.83	3113.00	2309.27	5422.27
		2552.00	0.00	0.00	0.00	322.00	0.00	322.00	226.40	0.00	226.40	302.00	0.00	302.00
		3451.00	0.00	3.42	3.42	0.00	3.82	3.82	0.00	3.77	3.77	0.00	4.90	4.90
	Total		2572.97	2156.34	4729.31	3220.00	2172.00	5392.00	2520.00	2100.00	4620.00	3415.00	2314.17	5729.17

(B) INDIAN COUNCIL OF AGRICULTURAL RESEARCH**APPENDIX 1****INDIAN COUNCIL OF AGRICULTURAL RESEARCH SOCIETY****The Society shall have the following *Ex-Officio* Members:**

- i) *Minister-in-charge of the portfolio of Agriculture in the Union Cabinet- President of the Society*
 1. Shri Sharad Pawar,
Union Minister of Agriculture and Food Processing Industries,
Government of India
Krishi Bhavan,
New Delhi-110 001
- ii) *Minister of State in the Union Ministry of Agriculture dealing with the ICAR-Vice-President*
 2. Shri Tariq Anwar
Union Minister of State for Agriculture & Food Processing Industries,
Krishi Bhavan,
New Delhi-110 001
- iii) *Union Ministers holding charge of Finance, Planning, Science & Technology, Education and Commerce (in case the Prime Minister is holding any of these portfolios, the Minister of State in the Ministry/Department concerned)*
 3. Shri P. Chidambaram
Union Minister of Finance
Government of India
North Block,
New Delhi 110 001
 4. Shri Rajeev Shukla
Union Minister of State for Planning
Government of India,
Yojna Bhawan,
New Delhi-110 001
 5. Shri Jaipal Sudini Reddy
Union Minister for Science & Technology
Government of India,
CSIR Building, 2 Rafi Marg,
New Delhi-110 001
 6. Dr. M. Mangapati Pallam Raju
Union Minister of Human Resource Development,
Government of India
Shastri Bhavan,
New Delhi-110 001
 7. Shri Anand Sharma,
Union Minister of Commerce & Industry,
Government of India,
Udyog Bhavan,
New Delhi-110 001
- iv) *Other Ministers in the Union Ministry of Agriculture*
 8. Dr Charan Das Mahant
Union Minister of State for Agriculture & Food Processing Industries
Krishi Bhawan
New Delhi-110 001
- v) *Ministers in the States in-charge of Agriculture/Horticulture/ Animal Husbandry / Fisheries*

ANDHRA PRADESH

9. Shri K.L. Narayana
Minister for Agriculture,
Government of Andhra Pradesh,
A.P. Secretariat
Hyderabad (Andhra Pradesh) 500 022

10. Shri Ramreddy Venkata Reddy
Minister for Horticulture,
Government of Andhra Pradesh,
A.P. Secretariat
Hyderabad (Andhra Pradesh) 500 022
11. Shri Viswarupu P
Minister for Animal Husbandry and Fisheries,
A.P. Secretariat
Government of Andhra Pradesh,
Hyderabad (Andhra Pradesh) 500 022

ARUNACHAL PRADESH

12. Shri Setong Sena
Minister for Agriculture, Horticulture and Animal Husbandry
Government of Arunachal Pradesh
CM Secretariat,
Itanagar (Arunachal Pradesh) 791 111
13. Shri Rajesh Tacho
Minister for Fisheries
Government of Arunachal Pradesh
State Secretariat Complex,
Itanagar (Arunachal Pradesh) 791 111

ASOM

14. Shri Nilomani Sen Deka
Minister for Agriculture & Horticulture
Government of Asom,
Janta Bhavan,
Dispur, Guwahati (Asom) 781 006
15. Shri Khorsingh Engti
Minister for Animal Husbandry
Government of Asom,
Janta Bhavan, Dispur,
Guwahati (Asom) 781 006
16. Shri Basanta Das
Minister for Fisheries,
Government of Asom,
Janta Bhavan, Dispur,
Guwahati (Asom) 781 006

BIHAR

17. Shri Narendra Singh
Minister for Agriculture
Government of Bihar,
Vikas Bhavan, New Secretariat,
Bailey Road,
Patna (Bihar) 800 015
18. Shri Giriraj Singh
Minister for Animal Husbandry & Fisheries Resources,
Government of Bihar,
Vikas Bhavan, New Secretariat,
Bailey Road,
Patna (Bihar) 800 015

CHHATTISGARH

19. Shri Chandrashekhar Sahu
Minister for Agriculture, Fisheries & Animal Husbandry
Government of Chhattisgarh,
Sachivalaya,
Raipur (Chhattisgarh)

DELHI

20. Shri Raj Kumar Chauhan
Minister for Power, Development and Food & Civil Supplies
National Capital Territory of Delhi,
Delhi Secretariat, I.P. Estate,
New Delhi 110 002

GOA

21. Shri Manohar Parrikar
Chief Minister (holding the Charge of Agriculture, Horticulture & AH)
Government of Goa, Secretariat,
Panaji (Goa) 403 001
22. Shri Avertano Furtado
Minister for Fisheries
Government of Goa, Secretariat,
Panaji (Goa) 403 001

GUJARAT

23. Shri Babubhai Bokhiria
Minister for Agriculture, Fisheries & Animal Husbandry
Government of Gujarat, Sachivalaya,
Gandhinagar (Gujarat)-382 010

HARYANA

24. Shri Paramvir Singh
Minister for Agriculture, Fisheries and AH
Government of Haryana,
Haryana Civil Secretariat,
Chandigarh (Haryana)

HIMACHAL PRADESH

25. Shri Virbhadra Singh
Chief Minister (holding the Charge of Animal Husbandry)
Government of Himachal Pradesh,
Himachal Pradesh Secretariat,
Shimla (Himachal Pradesh) 171 002
26. Shri Sujan Singh Pathania
Minister for Agriculture,
Government of Himachal Pradesh,
Himachal Pradesh Secretariat,
Shimla (Himachal Pradesh) 171 002
27. Smt. Vidya Stokes
Minister for Horticulture,
Government of Himachal Pradesh,
Himachal Pradesh Secretariat,
Shimla (Himachal Pradesh) 171 002
28. Shri Thakur Singh Bharmouri
Minister for Fisheries
Government of Himachal Pradesh,
Himachal Pradesh Secretariat,
Shimla (Himachal Pradesh) 171 002

JAMMU and KASHMIR

29. Shri Ghulam Hassan Mir
Minister for Agriculture Production
Government of Jammu & Kashmir,
Civil Secretariat,
Jammu (Jammu & Kashmir) 180 001
30. Shri Raman Bhalla
Minister for Horticulture,
Government of Jammu & Kashmir,
Civil Secretariat,
Jammu (Jammu & Kashmir) 180 001
31. Shri Nazir Ahmad Khan
Minister of State for Animal Husbandry,
Government of Jammu & Kashmir,
Civil Secretariat,
Jammu (Jammu & Kashmir) 180 001

32. Shri M.L. Sharma
Minister of State for Fisheries
Government of Jammu & Kashmir,
Civil Secretariat,
Jammu (Jammu & Kashmir) 180 001

JHARKHAND

33. Shri. Yogendra Sav
Minister for Agriculture
Government of Jharkhand,
Project Building HEC, Dhurva,
Ranchi (Jharkhand) 834 002
34. Shri. Mannan Mallick
Minister for Animal Husbandry & Fisheries
Government of Jharkhand,
Project Building HEC, Dhurva,
Ranchi (Jharkhand) 834 002

KARNATAKA

35. Shri Krishna Byre Gowda
Minister of State for Agriculture
Government of Karnataka,
Vidhan Soudha,
Bengaluru (Karnataka) 560 001
36. Shri S. Shivashankarappa
Minister for Horticulture
Government of Karnataka,
Vidhan Soudha,
Bengaluru (Karnataka) 560 001
37. Shri T.B. Jayachandra
Minister for Animal Husbandry & Fisheries Department
Government of Karnataka,
Vidhan Soudha,
Bengaluru (Karnataka) 560 001
38. Shri K. Abhay Chandra Jain
Minister of State for Fisheries
Government of Karnataka
Vidhan Soudha
Bengaluru (Karnataka) 560 001

KERALA

39. Shri K.P. Mohanan
Minister for Agriculture & Animal Husbandry
Government of Kerala
Secretariat Annexe
Thiruvananthapuram (Kerala) 695 001
40. Shri K. Babu
Minister for Fisheries,
Government of Kerala
North Block, Secretariat
Thiruvananthapuram (Kerala) 695 001

MADHYA PRADESH

41. Dr Ramkrishna Kusmariya
Minister for Agriculture Development,
Government of Madhya Pradesh,
Vallabh Bhavan, Bhopal (M.P.) 423 006
42. Shri Kailash Vijayvargiya
Minister for Horticulture,
Government of Madhya Pradesh,
Vallabh Bhavan, Bhopal (M.P.) 423 006
43. Shri Ajay Vishnoi
Minister for Animal Husbandry & Fisheries
Government of Madhya Pradesh,
Vallabh Bhavan, Bhopal (M.P.) 423 006

MAHARASHTRA

44. Shri Radhakrishna Eknathrao Vikhe Patil
Minister for Agriculture,
Government of Maharashtra,
Mantralaya,
Mumbai (Maharashtra) 400 032

45. Shri Madhukarrao Devrao Chavan
Minister for Animal Husbandry & Fisheries,
Government of Maharashtra,
Mantralaya,
Mumbai (Maharashtra) 400 032
46. Dr Vijaykumar Krishnarao Gavit
Minister for Horticulture
Government of Maharashtra,
Mantralaya,
Mumbai (Maharashtra) 400 032

MANIPUR

47. Shri Gaikhangam
Dy Chief Minister (holding charge of Horticulture),
Government of Manipur
Secretariat, Imphal (Manipur) 795 001
48. Shri Mohammed Abdul Nasir
Minister for Agriculture & Fisheries
Government of Manipur,
Secretariat, Imphal (Manipur) 795 001
49. Shri Govindas Konthoujam
Minister for Animal Husbandry
Government of Manipur,
Secretariat, Imphal (Manipur) 795 001

MEGHALAYA

50. Dr Mukul Sangma
Chief Minister (holding the Charge of Agriculture,
Horticulture and Fisheries)
Government of Meghalaya,
Meghalaya Secretariat (C),
Shillong (Meghalaya) 793 001
51. Smt. Deborah C Marak
Minister for Animal Husbandry
Government of Meghalaya,
Meghalaya Secretariat (C),
Shillong (Meghalaya) 793 001

MIZORAM

52. Shri H. Liansailova
Minister for Agriculture and Horticulture
Government of Mizoram,
Aizwal (Mizoram) 796 001
53. Shri N.K. Chakma
Minister of State for Animal Husbandry
Government of Mizoram,
Aizwal (Mizoram) 796 001
54. Shri R. Lalzirlana
Minister for Fisheries
Government of Mizoram,
Aizwal (Mizoram) 796 001

NAGALAND

55. Dr Benjongliba
Minister of State for Agriculture
Government of Nagaland,
Civil Secretariat Complex
Kohima (Nagaland) 797 004
56. Shri Neiba Kronu
Minister of State for Horticulture
Government of Nagaland,
Civil Secretariat Complex
Kohima (Nagaland) 797 004
57. Shri Yitachu
Minister of State for Animal Husbandry,
Government of Nagaland,
Civil Secretariat Complex
Kohima (Nagaland) 797 004
58. Shri Shetoyi
Minister of State for Fisheries
Government of Nagaland
Civil Secretariat Complex
Kohima (Nagaland) 797 004

ODISHA

59. Shri Debi Prasad Mishra
Minister for Agriculture, Fisheries & Animal Resource
Development,
Government of Odisha,
Orissa Secretariat,
Bhubaneswar (Odisha)-751 001

PUNJAB

60. Shri Prakash Singh Badal
Chief Minister holding the charge of Agriculture &
Horticulture
Government of Punjab,
Punjab Civil Secretariat,
Chandigarh (Punjab)
61. Shri Sarwan Singh Phillaur
Minister for AH & Fisheries
Government of Punjab,
Punjab Civil Secretariat,
Chandigarh (Punjab)

PUDUCHERRY

62. Shri M. Chandrakasu
Minister for Agriculture, Horticulture &
Animal Husbandry
Government of Puducherry,
Puducherry-605 001
63. Shri N.G. Pannirselvam
Minister for Fisheries
Government of Puducherry
Puducherry-605 001

RAJASTHAN

64. Shri Harji Ram Burdak
Minister for Agriculture, Horticulture
Animal Husbandry & Fisheries
Government of Rajasthan,
Rajasthan Secretariat,
Jaipur (Rajasthan)-302 005

SIKKIM

65. Shri Dawa Norbu Takarpa,
Minister for Agriculture Development & Horticulture,
Government of Sikkim,
Secretariat,
Gangtok (Sikkim)-737 101
66. Shri Dawcho Lepcha,
Minister for AH & Fisheries
Government of Sikkim,
Secretariat,
Gangtok (Sikkim)-737 101

TAMIL NADU

67. Shri S Damodaran
Minister for Agriculture & Horticulture
Government of Tamil Nadu,
Chennai (Tamil Nadu)-600 009
68. Shri K.A Jayapal,
Minister for Fisheries,
Government of Tamil Nadu,
Chennai (Tamil Nadu)-600 009
69. Shri T.K.M Chinnayya
Minister for Animal Husbandry,
Government of Tamil Nadu,
Chennai (Tamil Nadu)-600 009

TRIPURA

70. Shri Aghore Debbarma
Minister for Agriculture,
Horticulture & Animal Resource Development,
Government of Tripura,
Civil Secretariat, Agartala (Tripura)-799 001

71. Shri Khagendra Jamatia,
Minister for Fisheries,
Government of Tripura,
Civil Secretariat,
Agartala (Tripura)-799 001

UTTARAKHAND

72. Shri Harak Singh Rawat
Minister for Agriculture
Government of Uttarakhand,
Dehra Dun (Uttarakhand)
73. Smt Amrita Rawat
Minister for Horticulture
Government of Uttarakhand,
Dehra Dun (Uttarakhand)
74. Shri Pritam Singh Panwar
Minister for AH & Fisheries
Government of Uttarakhand,
Dehra Dun (Uttarakhand)

UTTAR PRADESH

75. Shri Anand Singh
Minister for Agriculture,
Government of Uttar Pradesh,
UP Civil Secretariat,
Lucknow (Uttar Pradesh)
76. Shri Paras Nath Yadav
Minister of State for Animal Husbandry,
Government of Uttar Pradesh,
Sachivalaya Annexe,
Vidhan Sabha Marg,
Lucknow (Uttar Pradesh)
77. Shri Akhilesh Yadav
Chief Minister (holding the Charge of Fisheries)
Government of Uttar Pradesh,
Sachivalaya Annexe, Vidhan Sabha Marg,
Lucknow (Uttar Pradesh)
78. Shri Rajkishore Singh
Minister for Horticulture,
Government of Uttar Pradesh,
Sachivalaya Annexe,
Vidhan Sabha Marg,
Lucknow (Uttar Pradesh)

WEST BENGAL

79. Shri Moloy Ghatak
Minister for Agriculture,
Government of West Bengal,
Writers' Building,
Kolkata (West Bengal) 700 001
80. Shri Nure Alam Chowdhury,
Minister for Animal Resources
Development Department,
Government of West Bengal,
Writers' Building,
Kolkata (West Bengal) 700 001
81. Shri Chandra Nath Sinha
Minister for Fisheries Development Department
Government of West Bengal
Kolkata (West Bengal) 700 001
82. Shri Subrata Saha
Minister for Horticulture & Fisheries,
Government of West Bengal,
Writers Building,
Kolkata (West Bengal) 700 001
- vi) *Member, Planning Commission, In-charge of Agriculture*
83. Prof. Abhijit Sen
Member (Agriculture)
Planning Commission,
Yojana Bhawan, New Delhi-110 001

- vii) *Six members of Parliament—four elected by Lok Sabha and two elected by Rajya Sabha*

84. Smt. Renuka Chowdhury 02.04.2018
Member of Parliament (Rajya Sabha),
H.No.8-1-116, Khanapuram(V)
Khammam Urban(M), Khammam District,
(Andhra Pradesh)-507 002
Smt. Renuka Chowdhury
Member of Parliament (Rajya Sabha),
76, Lodhi Estate,
New Delhi-110 003
85. VACANT
86. Shri Thangso Baite Till the expiry
Member of Parliament (Lok Sabha), of term in
88, Super Market, Lok Sabha
Lamphel, Imphal (Manipur)-795 004
Shri Thangso Baite
Member of Parliament (Lok Sabha),
14 North Avenue
New Delhi-110 001
87. Shri K. Jaya Surya Prakash Reddy -do-
Member of Parliament (Lok Sabha),
Vill. Laddagiri, Taluka Kodumur,
District- Kurnool
Hyderabad, Andhra Pradesh-500 034
Shri K. Jaya Surya Prakash Reddy
Member of Parliament (Lok Sabha),
16, Talkatora Road, New Delhi-110 001
88. Shri Jayant Chaudhary -do-
Member of Parliament (Lok Sabha)
20- Vishawa Laxmi Nagar
Near Goverdhan Chauraha
Mathura, Uttar Pradesh
Shri Jayant Chaudhary
Member of Parliament (Lok Sabha)
12, Tughlak Road, New Delhi-110 011
89. Shri Ramashankar Rajbhar, -do-
Member of Parliament (Lok Sabha)
185, North Avenue, New Delhi-110 001
Shri Ramashankar Rajbhar,
Member of Parliament (Lok Sabha)
Vill.-Shivpur, PO-Laxmipur via Rudrapur
District-Deoria (Uttar Pradesh)-274 001

- viii) *Director-General, Indian Council of Agricultural Research.*

90. Dr. S. Ayyappan Ex-officio
Director-General,
ICAR, Krishi Bhavan, New Delhi-110 001

- ix) *All Secretaries in the Ministry of Agriculture*

91. Shri Ashish Bahuguna Ex-officio
Secretary (Agriculture and Cooperation)
Department of Agriculture and Cooperation
Krishi Bhavan, New Delhi-110 001
92. Shri A.K. Thakur Ex-officio
Secretary (ADF)
Department of Animal Husbandry,
Dairying & Fisheries,
Krishi Bhavan, New Delhi-110 001

- x) *Secretary, Planning Commission*

93. Ms. Sindhushree Khullar Ex-officio
Secretary, Planning Commission
Yojana Bhavan, Sansad Marg,
New Delhi-110 001

- xi) *Secretary, Department of Bio-Technology*

94. Prof. K. Vijay Raghavan Ex-officio
Secretary,
Department of Biotechnology,
Block 2, 7th Floor, CGO Complex,
Lodhi Road, New Delhi-110 003

- xii) *Director-General, Council of Scientific and Industrial Research*
 95. Prof. S.K. Brahmachari Ex-officio
 Director General,
 Council of Scientific and Industrial Research,
 Anusandhan Bhavan,
 2-Rafi Ahmed Kidwai Marg, New Delhi-110 001
- xiii) *Chairman, University Grants Commission*
 96. Prof. Ved Prakash Ex-officio
 Chairman,
 University Grants Commission
 Bahadur Shah Zafar Marg, New Delhi-110 002
- xiv) *Chairman, Atomic Energy Commission (or Director, Bhabha Atomic Research Centre, if nominated by the Chairman, Atomic Energy Commission)*
 97. Dr. R.K. Sinha Ex-officio
 Chairman, Atomic Energy Commission
 Department of Atomic Energy,
 Anushakti Bhavan,
 Chhatrapati Shivaji Maharaj Marg,
 Mumbai-400 001
- xv) *Member, Finance (Secretary/ Additional Secretary) in the Ministry of Finance, Government of India Alternate Member – Financial Adviser (DARE/ICAR)*
 98. Smt. Anjuly Chib Duggal, Ex-officio
 Additional Secretary (Expenditure)
 Department of Expenditure,
 Ministry of Finance, North Block
 New Delhi-110 001
- xvi) *Four Vice-Chancellors of Agricultural Universities, nominated by the President*
 99. Dr. B.S. Dhillon, 10.07.2015
 Vice Chancellor,
 Punjab Agricultural University,
 Ludhiana (Punjab)-141 004
 100. Dr. B.V. Patil 02.05.2014
 Vice Chancellor,
 University of Agricultural Sciences,
 Raichur (Karnataka)-584 102
 101. Dr. K.E. Lawande 25.12.2015
 Vice Chancellor,
 Dr Balasaheb Sawant Konkan Krishi
 Vidyapeeth, Dapoli,
 District-Ratnagiri (Maharashtra)-415 712
 102. Dr. Vijay Kumar Taneja 22.04.2016
 Vice Chancellor,
 Guru Angad Dev Veterinary and Animal
 Sciences University,
 Firozpur Road, Ludhiana (Punjab)-141 004
- xvii) *Five technical representatives, namely Agricultural Commissioner, Horticultural Commissioner, Animal Husbandry Commissioner, Fisheries Development Commissioner, from the Union Ministry of Agriculture and Inspector-General of Forests, Government of India*
 103. Dr. J.S. Sandhu Ex-officio
 Agriculture Commissioner,
 Department of Agriculture & Cooperation,
 Ministry of Agriculture,
 Krishi Bhavan, New Delhi-110 001
 104. Dr. S.K. Malhotra Ex-officio
 Horticulture Commissioner,
 Department of Agriculture & Cooperation,
 Ministry of Agriculture
 Krishi Bhavan, New Delhi-110 001
 105. Dr. Amarjit Singh Nanda Ex-officio
 Animal Husbandry Commissioner,
 Department of Animal Husbandry, Dairying and
 Fisheries
 Ministry of Agriculture,
 Krishi Bhavan, New Delhi-110 001
106. Shri B. Vishnu Bhatt Ex-officio
 Fisheries Development Commissioner
 Department of Animal Husbandry, Dairying and
 Fisheries
 Ministry of Agriculture,
 Krishi Bhavan, New Delhi-110 001
 107. Shri Anoop Badhwa Ex-officio
 Inspector General of Forests (NAEB)
 Ministry of Environment & Forests,
 Paryavaran Bhawan, B-Block
 CGO Complex, Lodi Road, New Delhi-110 003
- xviii) *Fifteen scientists from within and outside the Council including one from the Indian Council of Medical Research, nominated by the President*
 108. Dr. P.L. Gautam 31.01.2014
 C-I/29, Tilak Lane,
 Adjoining Patiala House,
 New Delhi-110 001
 109. Dr. K.L. Chadha 31.01.2014
 President, The Horticultural Society of India,
 F-1, National Societies Block,
 NASC Complex, DPS Marg, Pusa
 New Delhi-110 012
 110. Dr. R.S. Paroda 31.01.2014
 Chairman, Trust for Advancement of Agricultural
 Sciences & Haryana Farmers' Commission
 Avenue II, IARI Campus,
 New Delhi-110 012
 111. Prof. (Dr.) M. P. Yadav 31.01.2014
 H.No. 365, Sector-45,
 Gurgaon (Haryana)-122 003
 112. Dr. Lalji Singh 31.01.2014
 Vice-Chancellor,
 Banaras Hindu University,
 Varanasi (Uttar Pradesh)-221 005
 113. Dr. S.D. Tripathi 31.01.2014
 701, Ankita,
 Sardar Vallabhabhai Patel Nagar,
 Four Bungalows, Versova, Andheri (West),
 Mumbai (Maharashtra)-400 053
 114. Dr. R.K. Gupta 31.01.2014
 South Asia Co-ordinator (DACST),
 CIMMYT, CG Block, NASC Complex,
 DPS Marg, New Delhi-110012
 115. Dr. Anwar Alam 31.01.2014
 Secretary, NAAS
 NASC Complex,
 Dev Prakash Shastri Marg, Pusa,
 New Delhi-110 012
 Dr. Anwar Alam
 S-319, Vivekanand Apartment,
 Sector-5, Plot -2, Dwarka,
 New Delhi-110 075
 116. Dr. Anupam Varma 31.01.2014
 INSA Honorary Scientist,
 Advanced Centre for Plant Virology,
 Division of Plant Pathology
 IARI, Pusa, New Delhi-110 012
 Dr. Anupam Varma
 253, Jaimaa Apartments, Sector 5,
 Dwarka, New Delhi-110 075
 117. Dr. B.S. Pathak 31.01.2014
 KC-5, Kavi Nagar
 Ghaziabad (Uttar Pradesh)-201 002
 118. Dr. Mruthyunjaya 31.01.2014
 (Ex National Director, NAIP, ICAR)
 A-701, Vasundhara Apartments,
 Plot No.16, Sector-6, Dwarka,
 New Delhi-110 075
 119. Prof. S.S. Acharya 31.01.2014
 Honorary Professor
 33 Shahi Complex, Sector-11,
 Udaipur (Rajasthan)-313 002

120. Dr. R.P. Kachru 31.01.2014
Ex-ADG, ICAR,
303, D.K. Rainbow,
Chuna Bhatti, Kolar Road,
Bhopal (Madhya Pradesh)-462 016
121. Prof. B.N. Johri 20.03.2014
PC Ray Fellow (MPCST)
Department of Biotechnology & Bioinformatics
Centre,
Barkatullah University,
Bhopal (Madhya Pradesh)-462 026
Prof. B.N. Johri
LV-32, Indus Gardens,
E-8, Gulmohar Extension, Bawadia Kalan,
Bhopal (Madhya Pradesh)-462 039
- Representative of ICMR*
122. Dr G.S. Toteja 18.11.2015
Director,
Desert Medicine Research Centre, ICMR
New Pali Road, Jodhpur (Rajasthan)-342 005
- xix) *Three representatives of commerce and industry, nominated by the President*
123. Shri Rakesh Bharti Mittal 01.10.2016
VC/MD, Bharti Enterprises Limited
Bharti Crescent, 1 Nelson Mandela Road
Vasant Kunj, Phase-II,
New Delhi-110 070
124. Shri Narendra Murkumbi 01.10.2016
Managing Director
Shree Renuka Sugars Limited
7th Floor, Devchand House,
Shiv Sagar Estate,
Dr. Annie Besant Road,
Worli, Mumbai – 400 018
125. Shri Jayprakash Dandegaonkar 01.10.2016
Vice Chairman,
Maharashtra State Co-Operative Sugar
Factories Federation Limited,
Sakhar Bhavan, 11th Floor, Plot No. 230,
Nariman Point
Mumbai (Maharashtra)-400 021
- xx) *One farmer from each region of the country as mentioned in Rule 60(a) and four representatives of rural interests, nominated by the President*
126. Shri M.V.S. Nagi Reddy 08.06.2014
Vice President,
A.P. Rytanga Samakhya,
R.C.M. Church Complex,
Gudivada,
Krishna District (Andhra Pradesh)-521 301
127. Shri Dharendra Deb Adhikari, 08.06.2014
Rajobala,8, Sankarpur,
Gopinath Nagar,
Guwahati-781016 (Assam)
128. Shri N. Kumara, 08.06.2014
Canna Cottage, 16th Cross,
SIT Extension, Nandeesh Layout,
Tumkur (Karnataka)-572 103
129. Shri Kuldeep Dhaliwal, 08.06.2014
Mayapuri Colony,
Karnal Road, Kaithal,
(Haryana)-136 027
130. Shri Amardeep Singh Cheema 08.06.2014
Gobind Nagar,
Kahnuwan Road,
Batala,
District Gurdaspur (Punjab)-143 505
Shri Amardeep Singh Cheema
Core-4, 2nd floor, Scope Minar,
Laxmi Nagar District Centre,
Vikas Marg, Delhi-110 092
131. Chaudhary Gyan Singh 05.03.2016
Village-Sakauti, Post- Gurukul Narson
District-Haridwar (Uttarkhand)-247 670
132. Shri Fazle Masood 05.03.2016
14/627, Murad Ali Lane, Nai Basti,
Lucknow (Uttar Pradesh)-226 001
133. VACANT
- Four Representatives of Rural Interests*
134. Prof. D.P. Tripathi 08.06.2014
Member of Parliament (RS)
13-D, Firozshah Road,
New Delhi-110 001
135. Shri Sudhir Kumar Bhargava 08.06.2014
Director, Agroman Systems Pvt. Ltd.
25/2, Tardeo AC Market, Tardeo
Mumbai (Maharashtra)-400 034
136. Dr Chanda Nimbkar 08.06.2014
Director,
Animal Husbandry Division,
Nimbkar Agricultural Research Institute
P.O. Box 23,
Phaltan (Maharashtra)-415 523
137. VACANT
- xxi) *Four Directors of the Indian Council of Agricultural Research Institutes, nominated by the President*
138. Dr. A.K. Srivastava 21.05.2016
Director,
National Dairy Research Institute,
Karnal (Haryana)-132 001
139. Dr. Ramesh Chand 21.05.2016
Director,
National Central for Agricultural Economics & Policy
Research,
Post Box No.11305, Library Avenue,
DPS Marg,
Pusa Campus,
New Delhi-110 012
140. Dr. P.S. Minhas 21.05.2016
Director,
National Institute of Abiotic Stress Management,
Malegaon, Baramati,
Pune (Maharashtra)-413 115
141. Dr. S.M.K. Naqvi 21.05.2016
Director,
Central Sheep & Wool Research Institute,
Avikanagar,
P.O. Malpura,
Tonk-District (Rajasthan)-304 501
- xxii) *Secretary, Indian Council of Agricultural Research- Member Secretary*
142. Shri Arvind Kaushal
Additional Secretary (DARE) and Secretary, ICAR
Krishi Bhavan, New Delhi-110 001

APPENDIX 2

LIST OF THE MEMBERS OF THE GOVERNING BODY OF THE
INDIAN COUNCIL OF AGRICULTURAL RESEARCH SOCIETY**Chairman**

1. Dr. S. Ayyappan
Director-General,
Indian Council of Agricultural Research,
Krishi Bhavan,
New Delhi-110 001

Ex-Officio Members**Member, Finance**

2. Smt. Anjuly Chib Duggal,
Additional Secretary (Expenditure),
Department of Expenditure,
Ministry of Finance,
North Block
New Delhi-110 001

Secretary, Planning Commission

3. Ms. Sindhushree Khullar,
Secretary,
Planning Commission,
Yojana Bhavan,
Sansad Marg,
New Delhi-110 001

Secretary, Agriculture

4. Shri Ashish Bahuguna,
Secretary (Agriculture & Cooperation)
Department of Agriculture & Cooperation
Ministry of Agriculture
Krishi Bhavan,
New Delhi-110 001

Chairman, University Grants Commission

5. Prof. Ved Prakash,
Chairman, University Grants Commission,
Bahadur Shah Zafar Marg,
New Delhi-110 002

Secretary, Department of Animal Husbandry, Dairying & Fisheries, Ministry of Agriculture

6. Shri A.K. Thakur
Secretary (ADF),
Dept. of Animal Husbandry, Dairying & Fisheries,
Ministry of Agriculture, Krishi Bhavan,
New Delhi-110 001

Secretary, Department of Biotechnology

7. Prof. K. Vijay Raghavan
Secretary,
Department of Biotechnology,
Ministry of Science & Technology,
Block-2, 7th floor,
CGO Complex,
Lodhi Road
New Delhi-110 003

Director-General, Council of Scientific & Industrial Research

8. Prof. S.K. Brahmachari
Director General,
Council of Scientific & Industrial Research,
Anusandhan Bhavan,
2, Rafi Ahmed Kidwai Marg,
New Delhi-110 001

Members

Four Scientists (including one Management Expert who are not employees of ICAR—nominated by the President)
Management Expert

9. Dr. R. S. Paroda
Chairman, Haryana Farmers'
Commission and Trust for Advancement of Agricultural
Sciences,
Avenue II, IARI Campus,
New Delhi-110 012

Scientists

10. Dr. Lalji Singh
Vice-Chancellor,
Banaras Hindu University,
Varanasi (Uttar Pradesh)-221 005
11. Prof. Anwar Alam
Secretary, NAAS,
NASC Complex, DPSM, Pusa
New Delhi-110 012
Prof. Anwar Alam
S-319, Vivekanand CGHS Limited,
Sector-5, Plot -2, Dwarka,
New Delhi-110 075
12. Dr. Mruthyunjaya
(Ex National Director, NAIP, ICAR)
A-701, Vasundhara Apartments,
Plot No.16, Sector-6,
Dwarka,
New Delhi-110 075

Three Vice-Chancellors of Agricultural Universities - nominated by the President

13. Dr. B.V. Patil
Vice Chancellor,
University of Agricultural Sciences,
Post Box-329, Lingasugur Road,
Raichur (Karnataka)-584 102
14. Dr. K.E. Lawande
Vice Chancellor,
Dr Balasaheb Sawant Konkan
Krishi Vidyapeeth, Dapoli,
District-Ratnagiri (Maharashtra)-415 712
15. Dr. B.S. Dhillon,
Vice Chancellor,
Punjab Agricultural University
Ludhiana (Punjab)-141 004

Three Members of Parliament (Two from Lok Sabha and one from Rajya Sabha, nominated by the President)

16. Shri Jayant Chaudhary
Member of Parliament (Lok Sabha),
12, Tughlak Road,
New Delhi-110 011
Shri Jayant Chaudhary
Member of Parliament (Lok Sabha),
20-Vishwa Laxmi Nagar,
Near Goverdhan Chauraha,
Mathura (Uttar Pradesh)

17. Shri Ramashankar Rajbhar 23.08.2015 *Three Directors of Research Institutes of the Council (nominated by the President)*
Member of Parliament (Lok Sabha),
185, North Avenue,
New Delhi-110 001
Shri Ramashankar Rajbhar
Member of Parliament (Lok Sabha),
Village-Shivpur, Post- Laxmipur,
Via Rudrapur, District- Deoria (Uttar Pradesh)-274 001
22. Dr. A.K. Srivastava 21.05.2016
Director,
National Dairy Research Institute,
Karnal,
Haryana-132 001
18. Smt. Renuka Chowdhury 31.05.2015
Member of Parliament (Rajya Sabha),
76, Lodhi Estate,
New Delhi-110 003
Smt. Renuka Chowdhury
Member of Parliament (Rajya Sabha),
H.No.8-1-116, Khanapuram(V)
Khammam Urban(M),
Khammam District (Andhra Pradesh)-507 002
23. Dr. Ramesh Chand 21.05.2016
Director
National Central for Agricultural
Economics & Policy Research,
Post Box No.11305, Library Avenue,
DPS Marg, Pusa Campus,
New Delhi-110 012
24. Dr. P.S. Minhas 21.05.2016
Director,
National Institute of Abiotic Stress
Management, Malegaon, Baramati,
Pune (Maharashtra)-413 115
- Three Farmers/ Representatives of rural areas (nominated by the President)*
19. Prof. D.P. Tripathi 08.06.2014
Member of Parliament (RS),
13-D, Firozshah Road,
New Delhi-110 001
- Secretary, ICAR (Member-Secretary)*
20. Dr. Chanda Nimbkar 08.06.2014
Director, Animal Husbandry Division,
Nimbkar Agricultural Research Institute
P.O. Box 23, Phaltan (Maharashtra)-415 523
25. Shri Arvind Kaushal
Additional Secretary (DARE) & Secretary (ICAR),
Krishi Bhavan,
New Delhi-110 001
21. Shri Sudhir Kumar Bhargava, 08.06.2014
Director,
Agroman Systems Pvt. Ltd.
25/2, Tardeo AC Market,
Tardeo, Mumbai (Maharashtra)-400 034

APPENDIX 3

SENIOR OFFICERS AT THE HEADQUARTERS OF THE ICAR

1. **Dr S. Ayyappan**

Director General, ICAR and
Secretary to the Government of India,
Department of Agricultural Research and Education

2. **Shri Arvind R. Kaushal**

Secretary, ICAR and Additional Secretary to
Government of India,
Department of Agricultural Research and Education

3. **Shri P.K. Pujari**

Financial Advisor, DARE/ICAR and Additional
Secretary to Government of India
Department of Agricultural Research and Education

Deputy Directors General

- 1 Dr K.D. Kokate (Agriculture Extension)
- 2 Dr S.K. Datta (Crop Sciences)
- 3 Dr Arvind Kumar (Education)
- 4 Dr K.M.L. Pathak (Animal Sciences)
- 5 Dr (Mrs.) B. Meenakumari (Fisheries)
- 6 Dr N.K. Krishna Kumar (Horticulture)
- 7 Dr A.K. Sikka (NRM)
- 8 Dr D. Rama Rao (Additional charge)
(Agricultural Engineering)

Assistant Directors General**Crop Science**

- 1 Dr N. Gopalakrishnan (Commercial Crops)
- 2 Dr R.P. Dua (Food & Fodder Crops)
- 3 Dr P. Chakrabarty (Plant Protection)
- 4 Dr J.S. Chauhan (Seeds)
- 5 Dr B.B. Singh (Oilseeds and Pulses)

Horticulture

- 1 Dr S.K. Malhotra

Natural Resource Management

- 1 Dr B. Mohan Kumar (Agro. & Agro Forestry)

Agricultural Engineering

- 1 Dr K.K. Singh (Process Engineering)
- 2 Dr Kanchan Kumar Singh (Agricultural Engineering)

Animal Sciences

- 1 Dr Gaya Prasad (AH)
- 2 Dr R.S. Gandhi (AP&B)
- 3 Dr B.S. Prakash (AN&P)

Fisheries

- 1 Dr S.D. Singh (Inland Fisheries)
- 2 Dr Madan Mohan (Marine Fisheries)

Agricultural Education

- 1 Dr Kusumakar Sharma (AHRD)
- 2 Dr S.S. Honnapagol (EQR)

Agricultural Extension

- 1 Dr V. Venkatasubramanian (AE)

Others

- 1 Dr S. Mauria (IP & TM)
- 2 Dr A.K. Vasisht (PIM)
- 3 Dr Ravinder Kumar (Acting)

Directorate of Knowledge Management in Agriculture

- 1 Dr Rameshwar Singh, Project Director

Principal Scientists**Crop Science**

- 1 Dr Rajan (PP)
- 2 Dr G.N. Mishra (CC)
- 3 Dr Dinesh Kumar (F&FC)

Horticulture

- 1 Dr Manish Das
- 2 Dr Ranvir Singh
- 3 Dr Vikramaditya Pandey

Natural Resource Management

- 1 Dr P.P. Biswas (Soils)
- 2 Dr Rajbir Singh (Agro-Forestry)

Agricultural Education

- 1 Dr M.K. Agnihotri
- 2 Dr K.A. Singh
- 3 Dr (Mrs) Vanita Jain
- 4 Dr K.L. Khurana
- 5 Dr K.P. Tripathi

Fisheries

- 1 Dr Anil Agarwal (FPT)
- 2 Dr (Mrs.) Usha Moza (F&FS)

Animal Sciences

- 1 Dr Rajan Gupta (AN)
- 2 Dr Vineet Bhasin (AG&B)
- 3 Dr (Mrs.) Jyoti Misri (AH)
- 4 Dr (Mrs.) Neelam Gupta (AB)

Agricultural Engineering

- 1 Dr S. Ganesan (FM&P)

Agricultural Extension

- 1 Dr V.P. Chahal (Agricultural Extension)
- 2 Dr (Mrs.) Harjit Kaur

Others

- 1 Dr A.K. Bawa
- 2 Dr A. Arunachalam
- 3 Dr Dalip Lal (PIM)

Results Framework Document (RFD) Coordination Unit

- 1 Dr R.K. Tomar

Agricultural Scientists' Recruitment Board

- 1 Dr Gurbachan Singh, Chairman
- 2 Dr V.N. Sharda, Member
- 3 Dr S.K. Bandyopadhyay, Member
- 4 Sh. N.S. Randhawa, Secretary
- 5 Sh. M.K. Jain, Controller of Examination-I
- 6 Sh. Rajiv Mangotra, Deputy Secretary
- 7 Sh. P.K. Jain Controller of Examination-II

National Agricultural Innovation Project

- 1 Dr D. Rama Rao, National Director
- 2 Dr A.P. Srivastava, National Coordinator
- 3 Dr Sudhir Kochhar, National Coordinator
- 4 Dr P.S. Pandey, National Coordinator
- 5 Dr R.P. Misra (NAIP)
- 6 Dr M. Kochu Babu

National Fund for Basic and Strategic and Frontier Application in Agriculture

- 1 Dr A. Bandyopadhyay, National Coordinator
- 2 Dr S.K. Chakrabarty, Principal Scientist

Directorate of Knowledge Management in Agriculture

- 1 Dr Rameshwar Singh, Project Director
- 2 Dr V.K. Bharti, Chief Production Officer
- 3 Dr Jagdip Saxena, Incharge Hindi Editorial Unit
- 4 Dr Aruna T. Kumar, Incharge English Editorial Unit
- 5 Sh. Hans Raj, Information System Officer
- 6 Sh. S.K. Joshi, Business Manager
- 7 Dr Sangeeta Chopra (Nodal Officer, Media Unit)

Administration**Directors**

- 1 Sh. J. Ravi, Director (P & Admn.)
- 2 Sh. Devender Kumar, Director (F)
- 3 Sh. H.C. Joshi, Director (OL)
- 4 Sh. V.P. Kothiyal, Director (Works)
- 5 Sh. S.K. Mitra, Director(CS)

Deputy Secretaries

- 1 Sh. Rajiv Maheshwari
- 2 Sh. P. Sakthivel

- 3 Ms. Namrta Sharma
- 4 Sh. P.K. Bage
- 5 Sh. Kanhaiya Chaudhary
- 6 Sh. S.K. Behera
- 7 Sh. Pitamber
- 8 Sh. K.N. Choudhary
- 9 Sh. V.D. Naniwadekar
- 10 Sh. V.K. Sharma
- 11 Ms. Roja Sethumadhavan
- 12 Sh. G.G. Harakangi
- 13 Sh. K.K. Kulshreshtha

APPENDIX 4**ICAR INSTITUTES AND THEIR DIRECTORS****National Institutes**

- 1 Dr H.S. Gupta
Indian Agricultural Research Institute,
New Delhi-110 012
- 2 Dr Gaya Prasad (Acting)
Indian Veterinary Research Institute,
Izatnagar (Uttar Pradesh) 243 122
- 3 Dr A.K. Srivastava
National Dairy Research Institute,
Karnal (Haryana) 132 001
- 4 Dr W.S. Lakra
Central Institute of Fisheries Education, Jaiprakash
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- 5 Dr S.L. Goswami
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Management,
Rajendranagar, Hyderabad (Andhra Pradesh) 500 030
- 6 Dr P.S. Minhas
National Institute of Abiotic Stress Management,
Malegaon, Baramati, Pune (Maharashtra) 413 115
- 7 Dr R. Ramani, OSD
Indian Institute of Agricultural Biotechnology,
Ranchi, Jharkhand
- 8 Dr T.P. Rajendran, OSD
National Institute of Biotic Stress Management
Raipur (Chhattisgarh)

Other Institutes

- 9 Dr S.D. Roy
Central Agricultural Research Institute,
Post Box No. 181
Port Blair (Andaman & Nicobar Islands) 744 101
- 10 Dr M.M. Roy
Central Arid Zone Research Institute,
Jodhpur (Rajasthan) 342 003
- 11 Dr Pitam Chandra
Central Institute of Agricultural Engineering,
Nabi Bagh Berasia Road,
Bhopal (Madhya Pradesh) 462 038
- 12 Dr Satish Kumar Sharma
Central Institute of Arid Horticulture,
Bikaner (Rajasthan) 334 006
- 13 Dr K.R. Kranthi
Central Institute for Cotton Research
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Nagpur (Maharashtra) 440 010
- 14 Dr H. Ravishankar
Central Institute for Sub-tropical Horticulture,
Rehmankhara, PO Kakori,
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- 15 Dr Nazeer Ahmed
Central Institute of Temperate Horticulture,
Old Air Field, Rangreth (Jammu & Kashmir) 190 007

- 16 Dr S.N. Jha
Central Institute of Post-Harvest Engineering and
Technology,
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Ludhiana (Punjab) 141 004
- 17 Dr S.K. Chattopadhyay (Acting)
Central Institute for Research on Cotton Technology,
Adenwala Road, Matunga,
Mumbai (Maharashtra) 400 019
- 18 Dr George V. Thomas
Central Plantation Crops Research Institute,
Kasargod (Kerala) 671 124
- 19 Dr Bir Pal Singh
Central Potato Research Institute
Shimla (Himachal Pradesh) 171 001
- 20 Dr B. Venkateswarlu
Central Research Institute for Dryland Agriculture,
Santoshnagar, Saidabad P.O.,
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- 21 Dr Debasis Nag
National Institute of Research on Jute & Allied
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12, Regent Park, Kolkata (West Bengal) 700 040
- 22 Dr Trilochan Mohapatra
Central Rice Research Institute,
Cuttack (Odisha)-753 006
- 23 Dr D.K. Sharma
Central Soil Salinity Research Institute,
Zarifa Farm, Kachhwa Road,
Karnal (Haryana)-132 001
- 24 Dr P.K. Mishra
Central Soil & Water Conservation Research &
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Dehra Dun (Uttaranchal)-248 195
- 25 Dr T.G.K. Murthy (Acting)
Central Tobacco Research Institute,
Rajahmundry (Andhra Pradesh)-533 105
- 26 Dr S.K. Chakrabarti
Central Tuber Crops Research Institute,
Sreekariyam,
Thiruvananthapuram (Kerala)-695 017
- 27 Dr N.P. Singh
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Ela, Old Goa, North Goa (Goa)-403 402
- 28 Dr B.P. Bhatt
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Indian Agricultural Statistics Research Institute,
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New Delhi-110 012 | 41 Dr Jag Mohan Kataria
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| 31 Dr P.K. Ghosh
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Mathura (Uttar Pradesh) 281 122 |
| 33 Dr N. Nadarajan
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Matsyapuri P.O.,
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| 40 Dr Jagdish Chandra Bhatt
Vivekanand Parvatiya Krishi Anusandhan Sansthan,
Almora (Uttarakhand) 263 601 | |

APPENDIX 5

NATIONAL BUREAUX AND THEIR DIRECTORS

- | | |
|--|---|
| 1 Dr Abraham Verghese
Director
National Bureau of Agriculturally Important Insects,
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Director
National Bureau of Soil Survey and Land Use
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| 2 Dr Arun Kumar Sharma
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National Bureau of Agriculturally Important
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Maunath Bhanjan (Uttar Pradesh)-275 101 | 5 Dr Arjava Sharma
Director
National Bureau of Animal Genetic Resources,
P.B. No. 129, G.T. Road Bye Pass,
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| 3 Dr K.C. Bansal
Director
National Bureau of Plant Genetic Resources,
Pusa Campus, New Delhi-110 012 | 6 Dr J.K. Jena
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APPENDIX 6

PROJECT DIRECTORATES, ZONAL PROJECT DIRECTORATES AND THEIR DIRECTORS

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 - 3 Dr Rameshwar Singh
Directorate of Knowledge Management in Agriculture,
Krishi Anusandhan Bhavan-I,
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 - 4 Dr O.P. Yadav
Directorate of Maize Research,
Indian Agricultural Research Institute,
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 - 5 Dr S. Arulraj
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 - 6 Dr K.S. Varaprasad
Directorate of Oilseed Research,
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 - 7 Dr Dhiraj Singh
Directorate of Rapeseed - Mustard Research, Sear,
Bharatpur (Rajasthan) 321 303
 - 8 Dr B. C. Viraktamath
Directorate of Rice Research,
Rajendranagar, Hyderabad (Andhra Pradesh) 500 030
 - 9 Dr S. Rajendra Prasad,
Directorate of Seed Research
P.B. No. 11, Kusmaur, P.O. Kaithauli,
Mau Nath Bhanjan (Uttar Pradesh) 275 101
 - 10 Dr Jagannath Vishnu Patil
Directorate of Sorghum Research,
Rajendranagar,
Hyderabad (Andhra Pradesh) 500 030
 - 11 Dr S.K. Srivastava
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 - 12 Dr (Mrs.) Indu Sharma
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 - 13 Dr A.R. Sharma
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 - 14 Dr Ashwani Kumar
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Bhubaneswar (Odisha) 751 023
 - 15 Dr (Mrs.) Neelam Grewal
Directorate of Research on Women in Agriculture,
Plot No.50, Mauza-Jokalandi,
P.O. Baramunda,
Bhubaneswar (Odisha) 751 003
 - 16 Dr P.L. Saroj
Directorate of Cashew Research,
Darbe, P.O. Puttur,
Dakshina Kannada, (Karnataka) 574 202
 - 17 Dr Ramesh Kumar
Directorate of Floriculture Research
Pusa, New Delhi-110 012
 - 18 Dr Satyabrata Maiti
Directorate of Medicinal and Aromatic Plants
Research,
Boriavi, Anand (Gujarat)-387 310
 - 19 Dr Manjit Singh
Directorate of Mushroom Research, Chambaghat,
Solan (Himachal Pradesh) 173 213
 - 20 Dr Jai Gopal
Directorate on Onion & Garlic Research,
Rajgurunagar, Pune (Maharashtra) 410 505
 - 21 Dr H. Rahman
Project Directorate on Animal Disease Monitoring and
Surveillance, H.A. Farm Post, Hebbal,
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 - 22 Dr Arjava Sharma (Addl. Charge)
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 - 23 Dr B. Pattnaik
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IVRI Campus, Mukteshwar (Uttanchal) 263 138
 - 24 Dr R.N. Chatterjee (Acting)
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Rajendranagar, Hyderabad (Andhra Pradesh) 500 030
 - 25 Dr Ashoktaru Barat (Acting)
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Anusandhan Bhawan, Industrial Area,
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 - 26 Dr S.D. Kulkarni
Soyabean Processing and Utilization Centre
CIAE Campus, Nabi Bagh,
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 - 27 Dr (Mrs.) Ravinder Kaur
Water Technology Centre, IARI,
New Delhi 110 012
- Zonal Project Directorates**
- 28 Dr A.M. Narula
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 - 29 Dr Ajoy Kumar Singh
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 - 30 Dr A.K. Gogoi
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 - 31 Dr Ashok Kumar Singh
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 - 32 Dr N. Sudhakar
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CRIDA Complex, Santoshnagar,
Hyderabad (Andhra Pradesh) 500 059
 - 33 Dr Y.V. Singh
Zonal Project Directorate (Zone-VI)
CAZRI Campus,
Jodhpur (Rajasthan) 342 003
 - 34 Dr Anupam Mishra (Acting)
Zonal Project Directorate (Zone-VII)
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 - 35 Dr S. Prabhu Kumar
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APPENDIX 7

NATIONAL RESEARCH CENTRES AND THEIR DIRECTORS

Agricultural Science

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- 2 Dr M.M. Mustafa
National Research Centre for Banana,
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Thiruchirapalli (Tamil Nadu)-620 102
- 3 Dr V.J. Shivankar
National Research Centre for Citrus,
P.B. No. 464, Shankar Nagar P.O.,
Amravati Road, Nagpur (Maharashtra)-440 010
- 4 Dr S.D. Sawant
National Research Centre for Grapes,
P.B. No. 3, Manjri Farm Post,
Solapur Road, Pune (Maharashtra)-412 307
- 5 Dr Chirantan Chattopadhyay
National Centre for Integrated Pest Management,
LBS Building, Pusa Campus,
New Delhi-110 012
- 6 Dr Vishal Nath
National Research Centre for Litchi
Mushahari Farm, Mushahari,
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- 7 Dr R.P. Medhi
National Research Centre for Orchids
Pakyong,
Gangtok (Sikkim)-737 106
- 8 Dr Srinivasan (Acting)
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- 10 Dr Balraj Singh
National Research Centre on Seed Spices,
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Animal Sciences and Fisheries

- 11 Dr N.V. Patil
National Research Centre on Camel
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- 12 Dr R.K. Singh
National Research Centre for Equines,
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- 13 Dr V.V. Kulkarni
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- 14 Dr C. Rajkhowa
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- 15 Dr D.K. Sarma
National Research Centre on Pig,
Rani, Guwahati (Assam)-781 131
- 16 Dr S.M. Deb
National Research Centre on Yak,
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General

- 17 Dr Ramesh Chand
National Centre for Agricultural Economics & Policy
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APPENDIX 8

ALL-INDIA CO-ORDINATED RESEARCH PROJECTS AND NETWORK CO-ORDINATORS

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- 2 Dr O.K. Sinha
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- 3 Dr A.H. Prakash
Project Coordinator (Cotton Improvement) CICR,
Regional Station
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- 4 Dr A.K. Shukla
Project Coordinator (Micro & Secondary Nutrients &
Pollutant Elements,
IISR, Bhopal (Madhya Pradesh)-462 038
- 5 Dr V.U.M. Rao
Project Coordinator (Agro.Met.)
CRIDA, Hyderabad (Andhra Pradesh)-500 059
- 6 Dr A.K. Roy
Project Coordinator (Forage Crops),
IGFRI, Jhansi (Uttar Pradesh)-284 003
- 7 Dr James George
Project Coordinator (Tuber Crops),
CTCRI, Trivandrum (Kerala)
- 8 Dr C.R. Mehta
Project Coordinator (Farm Implements and Machinery),
CIAE, Bhopal (Madhya Pradesh)-462 038
- 9 Dr K.C. Pandey
Project Coordinator (RSEAAI)
CIAE, Bhopal (Madhya Pradesh)-462 038
- 10 Director, CAZRI, Jodhpur
(Acting charge)
Project Coordinator (Pearl Millet Improvement)
RAU, Mandore, Jodhpur (Rajasthan)
- 11 Dr Muneshwar Singh
Project Coordinator
IISR Bhopal (Madhya Pradesh)-462 038
(Long Term Fort Experiment)
- 12 Dr P.R. Bhatnagar
Project Coordinator (APA),
CIPHET, Ludhiana (Ludhiana)-141 004
- 13 Dr Deepak Chaudhury
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CIAE, Bhopal (Madhya Pradesh)-462 038
- 14 Dr L.P. Gite
Project Coordinator (Ergonomics & Safety in Agri.),
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- 15 Dr Pradip Dey
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IISR, Bhopal (Madhya Pradesh)-462 038
- 16 Dr S.K. Ambast
Project Coordinator (SASUSWA)
CSSRI, Karnal (Haryana)

- 17 Dr N. Nadarajan,
Director,
IIPR & Project Coordinator (Linseed) (Acting charge),
CSAUA&T,
Kanpur-Hqrs. (Uttar Pradesh)-208 002
- 18 Dr N.P. Singh
Project Coordinator (Chick Pea),
IIPR
Kanpur (Uttar Pradesh)-208 024
- 19 Dr Sanjeev Gupta
Project Coordinator (Mullarp),
IIPR
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- 20 Dr S.K. Nanda (Acting)
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- 21 Dr A.R.G. Rangnatha
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JNKVV-Hqrs, Jabalpur (Madhya Pradesh)-482 004
- 22 Dr Raj Kumar Thakur
Project Coordinator (Honey Bee & Pollinators)
CCSHAU,
Hisar (Haryana) under ICAR Hqrs.
- 23 Dr M.V.C. Gowda
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Project Coordinator (Small Millet),
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Bengaluru (Karnataka)-580 005 under ICAR Hqrs.
- 24 Dr Bijendra Singh
Project Coordinator (Vegetable)
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- 25 Dr K.N. Babu
Project Coordinator (Spices),
IISR, Calicut
- 26 Dr P.M. Govindkrishnan
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- 27 Dr Maheswarappa H.P.
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- 31 Dr S K Ambast
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- 33 Dr Ashwani Kumar
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- 34 Dr B Gangwar
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- 35 Dr D L N Rao
Network Co-ordinator
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35. Dr B. Venkateswarlu
Director
AICRP on National Initiative on Climate Resilient
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CRIDA Campus, Santoshnagar
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- 36 Dr B Gangwar
Project Co-ordinator
Network Programme on Organic Farming
Project Directorate of Farming Systems Research
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- 37 Dr K. K. Sharma
Network Co-ordinator
AINP on Pesticide Residue,
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- 38 Dr O. P. Yadav
AICRP on Maize
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- 39 Dr B.C. Viraktamath
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- 40 Dr Indra Prakash Singh
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- 41 Dr A. Henry
National Network Research Project on Arid Legumes
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- 42 Dr Indu Sharma
AICRP on Wheat and Barley Improvement Project
Directorate of Wheat Research
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- 43 Dr J.V. Patil
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- 44 Dr J. B. Misra
AICRP on Groundnut
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Junagarh (Gujarat) 362 001
- 45 Dr S. K. Srivastava
AICRP on Soybean
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- 46 Dr J. S. Chauhan
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Directorate of Rapeseed Mustard and Research
Bharatpur (Rajasthan) 321 003
- 47 Dr K. S. Varaprasad
AICRP on Sunflower, Safflower, Castor
Directorate of Oilseed Research
Hyderabad (Andhra Pradesh) 500 030
- 48 Dr B. S. Bhumannavar
AICRP on Biological Control
Bengaluru (Karnataka) 560 024
- 49 Dr S. Rajendra Prasad
AICRP on NSP (Crops)
Directorate of Seed Research
Maunath Bhanjan (Uttar Pradesh) 275 101

- | | |
|---|---|
| <p>50 Dr A. S. Sidhu
AICRP on Tropical Fruits
IIHR
Bengaluru (Karnataka) 560 089</p> <p>51 Dr A. K. Misra
AICRP on Sub-tropical Fruits
CISH
Lucknow (Uttar Pradesh) 227 107</p> <p>52 Dr S. K. Sharma
AICRP on Arid Zone Fruits
CIAH, Bikaner (Rajasthan) 334 006</p> <p>53 Dr Manjit Singh
AICRP on Mushroom Improvement Project
Directorate of Mushroom Research
Solan (Himachal Pradesh) 173 213</p> <p>54 Dr Satyabrata Maity
Directorate of Medicinal and Aromatic Plants
AICRP on Medicinal and Aromatic Plants and Betelvine
Anand (Gujarat) 387 310</p> <p>55 Dr Ramesh Kumar
AICRP on Floriculture
Directorate of Floricultural Research,
IARI, Delhi 110 012</p> <p>56 Dr L. P. Gite
AICRP on Human Engineering and Safety in Agriculture,
CIAE
Bhopal (Madhya Pradesh) 462 038</p> <p>57 Dr K. C. Pandey
AICRP on Renewal Sources of Energy for Agriculture
and Agro-based Industries,
CIAE, Bhopal (Madhya Pradesh) 462 038</p> | <p>58 Dr S. K. Agarwal
AICRP on Goat Improvement Project
CIRG
Farah (Uttar Pradesh) 281 122</p> <p>59 Dr C. S. Prasad
AICRP on Improvement of Feed Sources and Nutrient
Utilization for Raising Animal Production
NIANP
Bengaluru (Karnataka) 560 030</p> <p>60 Dr Arjava Sharma
AICRP on Cattle Research
PD on Cattle
Meerut (Uttar Pradesh) 500 030</p> <p>61 Dr R. N. Chatterjee
AICRP on Poultry
PD on Poultry
Hyderabad (Andhra Pradesh) 500 030</p> <p>62 Dr Dilip Kumar Sharma
AICRP on Pig
IVRI
Izatnagar (Uttar Pradesh)</p> <p>63 Dr B. Pattanaik
AICRP on Foot-and -Mouth Disease
Mukteshwar (Uttar Pradesh)</p> <p>64 Dr H. Rahman
AICRP on ADMAS
Bengaluru (Karnataka)</p> <p>65 Dr M.P.S. Arya
AICRP on Home Science
Directorate on Women Research
Bhubanaeshwar (Odisha)</p> |
|---|---|

APPENDIX 9

AGRICULTURAL UNIVERSITIES AND THEIR VICE CHANCELLORS

State Agricultural Universities

1. Dr A Padma Raju
Acharya NG Ranga Agricultural University
Rajendranagar,
Hyderabad (Andhra Pradesh) 500 030
2. Dr A M Shekh
Anand Agricultural University
Anand (Gujarat) 388 110
3. Dr K M Bujarbaruah
Assam Agricultural University
Jorhat (Assam) 785 013
4. Prof. Chittaranjan Kole
Bidhan Chandra Krishi Viswavidyalaya
Mohanpur, Nadia (West Bengal) 741 252
5. Dr M L Choudhary
Bihar Agricultural University
Sabour (Bihar) 813 210
6. Dr M P Pandey
Birma Agricultural University
Kanke, Ranchi (Jharkhand) 834 006
7. Prof. Munna Singh
Chandra Shekar Azad University of Agriculture & Technology,
Kanpur (Uttar Pradesh) 208 002
8. Dr KS Khokhar
Chaudhary Charan Singh Haryana Agricultural University,
Hisar (Haryana) 125 004
9. Dr Krishan Kumar Katoch
Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishwavidyalaya,
Palampur (Himachal Pradesh) 176 062
10. Dr Kisan E Lawande
Dr Balasaheb Sawant Konkan Krishi Vidyapeeth
Dapoli, Ratnagiri (Maharashtra) 415 712
11. Dr Ravi G Dani
Dr Panjabrao Deshmukh Krishi Vidyapeeth
Krishi Nagar, Akola (Maharashtra) 444 104
12. Dr Vijay Singh Thakur
Dr Yashwant Singh Parmar University of Horticulture and Forestry
Solan, Nauni (Himachal Pradesh) 173 230
13. Dr A Padma Raju
Dr YSR Horticultural University
Post Box no. 7
Venkataramannagudem (Andhra Pradesh) 534 101
14. Sh Subhash Kumar
Govind Ballabh Pant University of Agriculture & Technology, Pantnagar
Udhamsingh Nagar (Uttara Khand) 263 145
15. Dr V K Taneja
Guru Angad Dev University of Veterinary and Animal Sciences
Ludhiana (Punjab) 141 004
16. Dr S K Patil
Indira Gandhi Krishi Vishwavidyalaya,
Krishak Nagar, Raipur (Chhattisgarh) 492 006
17. Dr Vijay Singh Tomar
Jawaharlal Nehru Krishi Vishwavidyalaya
Krishi Nagar,
Jabalpur (Madhya Pradesh) 482 004
18. Dr N C Patel
Junagadh Agricultural University
MotiBagh, Agril. Campus
Junagadh (Gujarat) 362 001
19. Dr U K Mishra
Kamadhenu Veterinary University
Raipur (Chhattisgarh)
20. Dr C Renuka Prasad
Karnataka Veterinary Animal and Fisheries Science University,
P.B. No. 6, Nandinagar
Bidar (Karnataka) 585 401
21. Sh. P Rajendran
Kerala Agricultural University,
P.O Vellanikkara,
Thrissur (Kerala) 680 656
22. Prof. B Madhusoodana Kurup
Kerala University of Fisheries & Ocean Studies
Papangad,
Kochi (Kerala) 682 506
23. Dr B Ashok
Kerala University of Animal Science University
Directorate of Dairy, Development Pattom
Thiruvanthapuram (Kerala) 695 004
24. Dr R R Jowel
Lala Lajpat Rai University of Veterinary & Animal Sciences,
Hisar, (Haryana) 125 001
25. Dr Govind Prasad Mishra
Nanaji Deshmukh Pashu Chikitsa Vigyan Vishwavidyalaya,
Civil Lines
Jabalpur (Madhya Pradesh) 482 001
26. Dr O P Gill
Maharana Pratap University of Agriculture & Technology,
Udaipur (Rajasthan) 313 001
27. Shri. A K Mishra
Maharashtra Animal Science & Fishery University,
Nagpur (Maharashtra) 440 006
28. Dr T A More
Mahatma Phule Krishi Vidyapeeth
Rahuri (Maharashtra) 413 722
29. Dr Milka Singh Aulakh
Manyavar Shri Kanshiram Ji University of Agricultural and Technology,
Banda (Uttar Pradesh)
30. Dr K P Gore
Marathwada Agricultural University
Parbhani (Maharashtra) 43 1402
31. Dr R S Kureel
Narendra Deva University of Agriculture & Technology,
Kumarganj, Faizabad (Uttar Pradesh) 224 229
32. Dr A R Pathak
Navsari Agricultural University,
Vijalpore
Navsari (Gujarat) 396 450
33. Dr M Kar
Orissa University of Agriculture & Technology
Siripur,
Bhubaneswar (Odisha) 751 003
34. Dr B S Dhillon
Punjab Agricultural University
Ludhiana (Punjab) 141 004
35. Prof. Ajay Kumar Gahlot
Rajasthan University of Veterinary & Animal Sciences,
Bijay Bhawan Palace Complex
Near Pt. Deendayal Circle
Bikaner (Rajasthan) 334 006
36. Dr R K Mittal
Rajendra Agricultural University,
Pusa, Samastipur (Bihar) 848 125
37. Dr A K Singh
Rajmata VRS Agricultural University
Gwalior (Madhya Pradesh) 474 002

38. Dr H S Gaur
Sardar Vallabh Bhai Patel University of Agriculture & Technology, Modipuram
Meerut (Uttar Pradesh) 250 110
 39. Dr K Sreedharan
Sardarkrushinagar-Dantiwada Agricultural University
Sardarkrushinagar, Dantiwada
Banaskantha (Gujarat) 385 506
 40. Dr D K Arora
Sher-e-Kashmir University of Agricultural Sciences & Technology,
Railway Road,
Jammu (J&K) 180 009
 41. Dr Tej Pratap
Sher-e-Kashmir University of Agricultural Sciences & Technology
Shalimar,
Srinagar (J&K) 191 121
 42. Dr V Prabhakar Rao
Sri Venkateswara Veterinary University
Tirupati,
Chittoor (Andhra Pradesh) 517 502
 43. Dr A K Dahama
Swami Keshwanand Rajasthan Agricultural University
Bikaner (Rajasthan) 33 4006
 44. Dr K. Ramaswamy
Tamil Nadu Agricultural University
Coimbatore (Tamil Nadu) 641 003
 45. Dr Baskaran Manimaran
Tamil Nadu Fisheries University
Nagappatinam (Kerala) 600 007
 46. Dr R Prabhakaran
Tamil Nadu Veterinary & Animal Sciences University
Madhavaram Milk Colony
Chennai (Tamil Nadu) 600 051
 47. Dr H S Vijayakumar
University of Agricultural Sciences
Dharwad (Karnataka) 580 005
 48. Dr K Narayana Gowda
University of Agricultural Sciences
Bangaluru (Karnataka) 560 065
 49. Dr S.B. Dandin
University of Horticultural Sciences
Navanagar,
Bagalkot (Karnataka) 587 101
 50. Dr B.V. Patil
University of Agricultural Sciences
Raichur (Karnataka) 584 102
 51. Dr P.S. Salimath
University of Agricultural & Horticultural Sciences
Shimoga (Karnataka) 577 204
 52. Dr A C Varshney
UP Pandit Deen Dayal Upadhyaya Pashu Chikitsa
Vigyan Vishwa Vidhyalaya Evam Go Anusandhan
Sansthan,
Mathura (Uttar Pradesh) 281 001
 53. Dr Matthew Prasad
Uttarakhand University of Horticulture & Forestry
Bharsar Pauri Garhwal (Uttara Khand) 246 123
 54. Dr Biswanath Bandyopadhyay,
Uttar Banga Krishi Vishwavidyalaya
Cooch Behar (West Bengal) 736 165
 55. Dr C S Chakrabarti
West Bengal University of Animal & Fishery Sciences
68 KB Sarani
Kolkata (West Bengal) 700 037
- Central Agricultural University**
1. Dr S N Puri
Central Agricultural University
Imphal (Manipur) 795 004
- Deemed-to-be Universities**
1. Dr H S Gupta
Indian Agricultural Research Institute
Pusa, New Delhi 110 012
 2. Dr Gaya Prasad
Indian Veterinary Research Institute,
Izatnagar, Bareilly (Uttar Pradesh) 243 122
 3. Dr A K Srivastava
National Dairy Research Institute
Karnal (Haryana) 132 001
 4. Dr W S Lakra
Central Institute of Fisheries Education
Mumbai (Maharashtra) 400 061
 5. Dr R B Lal
Sam Higginbottom Institute of Agriculture Technology
& Science,
Allahabad (Uttar Pradesh) 211 007
- Central Universities with Agriculture Faculty**
1. Dr Zameer Uddin Shah
Aligarh Muslim University
Aligarh (Uttar Pradesh) 202 002
 2. Prof. Lalji Singh
Banaras Hindu University,
Varanasi (Uttar Pradesh) 221 005
 3. Prof. Bolin Kumar Konwar
Nagaland University,
College of Agriculture,
Medzipherma (Nagaland) 797 106
 4. Prof. Sushanta Data Gupta
Vishwa Bharti, Palli Bhavana
Shantiniketan (West Bengal) 731 235

APPENDIX 10

**Total number of employees in the ICAR and its research institutes and number of Scheduled Castes,
Scheduled Tribes and Other Backward Classes**

Categories of employees	Total posts sanctioned	Total employees in position	Scheduled Caste employees		Scheduled Tribe employees		OBC employees	
			No.	% to total employees	No.	% to Total employees	No.	% to total employees
1. Scientific Posts								
Scientist	3897	2613	479	18.33	330	12.63	480	18.37
Senior Scientist	1659	1039	96	9.24	34	3.27	143	13.76
Principal Scientist	757	695	59	8.49	04	0.58	48	6.91
RMP Scientist	160	137	05	3.65	01	0.73	04	2.92
Total	6473	4484	639	14.25	369	8.23	675	15.05
2. Technical Posts								
Category I	4188	3313	565	17.05	299	9.03	320	9.66
Category II	2650	2201	418	18.99	157	7.13	332	15.08
Category III	675	626	98	15.65	63	10.06	99	15.81
Total	7513	6140	1081	17.61	519	8.45	751	12.23
3. Administration Posts								
(a) <u>Category "A" posts:</u> Senior Registrar/Director/ Dy. Secretary/Under Secretary/ CAOs/SAOs/AOs/CF&AO/SF&AO/ F&AO/Legal Adviser/Director (OL)/ DD(OL)/AD(OL)PPS	332	257	49	19.06	17	6.61	22	8.56
(b) <u>Category "B" posts:</u> AF&AO/AAO/PS/SO/AD (OL)/ ALA/Assistant/PA/ Sr. Sales Assistant/ JAO/ALA	2989	2391	364	15.22	176	7.36	422	17.65
(c) <u>Category "C" posts:</u> UDC/Steno/LDC	1552	1240	223	17.98	99	7.98	219	17.66
Total	4873	3888	636	16.36	292	7.51	663	17.05
4. Skilled supporting Staff	8351	6167	1625	26.35	546	8.85	726	11.77

ANNEXURE 11

AWARDS

AWARDS	AWARDEES
Sardar Patel Outstanding ICAR Institution Award 2012	1. ICAR Research Complex for NEH Region, Umiam, 2. Meghalaya National Institute of Animal Nutrition and Physiology, Adugodi, Bengaluru (Karnataka) 560 030 3. University of Agricultural Sciences, GKVK Campus, Bengaluru (Karnataka) 560 065
Chaudhary Devi Lal Outstanding All India Coordinated Research Project Award 2012	1. All India Coordinated Research Project on Application of Plastics in Agriculture CIPHET, Ludhiana (Punjab) 141 004
Rafi Ahmed Kidwai Award for Outstanding Research in Agricultural Sciences 2012	1. Dr K.V. Prabhu Division of Genetics Indian Agricultural Research Institute, New Delhi 110 012 2. Dr Jai Singh Parihar Dy. Director, EPSA Space Applications Centre, ISRO Jodhpur Tekra, Ambawadi Vistar P.O., Ahmedabad (Gujarat) 380 015 3. Dr Joykrushna Jena Director National Bureau of Fish Genetic Resources Canal Ring Road, PO Dilkusha, Lucknow (Uttar Pradesh) 226 002
Lal Bahadur Shastri Outstanding Young Scientist Award 2012	1. Dr Maganti Sheshu Madhav Senior Scientist Biotechnology Laboratory Crop Improvement Section Directorate of Rice Research Rajendranagar, Hyderabad (Andhra Pradesh) 500 030 2. Dr Pratap Bhattacharyya Crop Production Division, Central Rice Research Institute, Bidyadharpur, Cuttack (Odisha) 753 006 3. Dr Veerasamy Sejian Senior Scientist (Animal Physiology) Animal Physiology Division National Institute of Animal Nutrition and Physiology Adugodi, Hosur Road, Bengaluru (Karnataka) 560 030 4. Dr Hukum Chandra Senior Scientist Division of Sample Surveys Indian Agricultural Statistics Research Institute (IASRI) Library Avenue, Pusa Campus New Delhi 110 012
Panjabrao Deshmukh Outstanding Woman Scientist Award 2012	1. Prof. Rintu Banerjee Agricultural & Food Engineering Department, Indian Institute of Technology, Kharagpur (West Bengal) 721 302 2. Dr Radha Prasanna CCUBGA & Division of Microbiology Indian Agricultural Research Institute (IARI), New Delhi 110 012
Bharat Ratna DrC.Subramaniam Award for Outstanding Teachers 2012	1. Dr M.K. Naik Professor and Head, Dean (PGS), Department of Plant Pathology, Agriculture College, University of Agricultural Sciences, Raichur (Karnataka) 504 102 2. Dr Indra Mani Principal Scientist Division of Agricultural Engineering, IARI, Pusa Campus, New Delhi -110 012

AWARDS	AWARDEES
	3. Dr Ashok Kumar Tiwari Head, Division of Animal Biological Standardization, Indian Veterinary Research Institute, Izatnagar (Uttar Pradesh) 243 122
Hari Om Ashram Trust Award for the Biennium 2010-12	1. Dr B.C. Viraktamath Project Director, Directorate of Rice Research, Rajendranagar, Hyderabad (Andhra Pradesh) 500 030 2. Dr M.S. Ramesha (Associate) Directorate of Rice Research, Rajendranagar, Hyderabad (Andhra Pradesh) 500 030 3. Dr R.M. Sundaram (Associate) Directorate of Rice Research, Rajendranagar, Hyderabad (Andhra Pradesh) 500 030 4. Dr A.S. Hari Prasad (Associate) Directorate of Rice Research, Rajendranagar, Hyderabad (Andhra Pradesh) 500 030 5. Dr Dinesh Kumar Sharma Central Soil Salinity Research Institute, Karnal (Haryana) 132 001 6. Dr Vinay Kumar Mishra (Associate) Central Soil Salinity Research Institute, Karnal (Haryana) 132 001 7. Dr Amaresh Kumar Nayak (Associate) Central Soil Salinity Research Institute, Karnal (Haryana) 132 001 8. Dr Yas Pal Singh (Associate) Central Soil Salinity Research Institute, Karnal (Haryana) 132 001 9. Dr Tarun Kumar Bhattacharya ICAR National Fellow Agricultural Research Institute, Rajendranagar, Hyderabad (Andhra Pradesh) 500 030 10. Dr Rudra Nath Chatterjee (Associate)
Fakhruddin Ali Ahmed Award for Outstanding Research in Tribal Farming Systems 2012	1. Dr A.S. Panwar Principal Scientist, Division of Natural Resource Management ICAR Research Complex for NEH Region, Umroi Road, Umiam (Meghalaya) 793 103 2. Dr S.V. Ngachan (Associate) ICAR Research Complex for NEH Region, Umroi Road, Umiam (Meghalaya) 793 103 3. Dr Anup Das (Associate) ICAR Research Complex for NEH Region, Umroi Road, Umiam (Meghalaya) 793 103 4. Dr Bandi Venkateswarlu Central Research Institute for Dryland Agriculture Santsohnagar, Saidabad, P.O. Hyderabad (Andhra Pradesh) 500 059

AWARDS	AWARDEES
Jawaharlal Nehru Award for P.G. Outstanding Doctoral Thesis Research in Agricultural and Allied Sciences 2012	5. Dr Sreenath Dixit (Associate) Central Research Institute for Dryland Agriculture Santsohnagar, Saidabad, P.O. Hyderabad (Andhra Pradesh) 500 059
	6. Dr M. Osman (Associate) Central Research Institute for Dryland Agriculture Santsohnagar, Saidabad, P.O. Hyderabad (Andhra Pradesh) 500 059
	7. Dr K.V. Rao (Associate) Central Research Institute for Dryland Agriculture Santsohnagar, Saidabad, P.O. Hyderabad (Andhra Pradesh) 500 059
	1. Dr Prashant Vikram C/o Dr Arvind Kumar, Senior Scientist, Plant Breeder, International Rice Research Institute, DAPO BOX 7777, Metro Manila, Philippines
	2. Dr Ganapati Mukri #16, Directorate of Maize Research, Pusa Campus, New Delhi-110 012
	3. Dr Charu Lata Room No. 221 NRC on Plant Biotechnology, L.B.S. Building, Pusa Campus (IARI), New Delhi-110 012
	4. Dr Abhinav Grover DST INSPIRE Faculty, School of life Sciences, Jawaharlal Nehru University, New Delhi-110 067
	5. Dr Tushar Kanti Dutta Room No.327, Division of Nematology, Indian Agricultural Research Institute, New Delhi-110 012
	6. Dr Nandani Shukla C/o Dr Sumit Chaturvedi, Assistant Professor, Department of Agronomy, College of Agriculture, GBPUA&T, Pantnagar, U.S. Nagar (Utarakhand) 263 145
	7. Dr Gulab Pandove 6982, Sunil Park, Jassian Road, Haibowal Kalan, Ludhiana (Punjab) 141 001
	8. Dr Arabinda Sharma Civil Engineering Department BRCM College of Engineering & Technology Dist: Bhiwani, Bahal (Haryana) 127 028
	9. Dr Partha Saha Scientist, Division of Vegetable Science IARI, Pusa, New Delhi-110 012
	10. Dr Prabhanjan Kumar Pranav Assistant Professor, Department of Agricultural Engineering, North Eastern regional Institute of Science and Technology (NERIST), Nirjuli, Itanagar (Arunachal Pradesh) 791109
	11. Dr R.C. Pradhan Department of Farm Engineering Institute of Agricultural Sciences Banaras Hindu University Varanasi (Uttar Pradesh) 221 005

AWARDS	AWARDEES
	12. Dr Gaurav Kumar Sharma Project Directorate on Foot-and-Mouth Disease, Mukteshwar, Nainital (Uttarakhand) 263 138 13. Dr Gurpreet Kaur Post Doctoral Fellow Department of Oncologic Sciences, USA Mitchell Cancer institute, 1660 Springhill Avenue, Mobile, AL. 36604 14. Dr Raghunath Ravi 'Roshni' Chavara Centre Road, Cochin (Kerala) 682 011 15. Dr P. Mahalakshmi Central Institute of Brackishwater Aquaculture No.75, Santhome High Road Raja Annamalai Puram Chennai (Tamil Nadu) 600 028 16. Dr Sanchita Garai Scientist Division of Dairy Extension National Dairy Research Institute, Karnal (Haryana) 132 001
Jagjivan Ram Abhinav Kisan Puruskar/Jagjivan Ram Innovative Farmer Award (National/Zonal) 2012 (National)	1. Shri Uddhav Asaram Khedekar At. Shivni, Post:Ner Tq.& District Jalna(Maharashtra) 431 203
Jagjivan Ram Abhinav Kisan Puruskar /Jagjivan Ram Innovative Farmer Award (National/Zonal) 2012 (Zonal)	1. Zone 1 Sh. Gurpreet Singh Shergill Village Majhal Khurd, P.O. Panjola, Distt. Patiala (Punjab) 147 101 2. Zone 2 Vill-Mahddiganj, Po-Sasaram, P.S – Sasaram Distt-Rohtas (Bihar) 821 115 3. Zone 3 -Nil- 4. Zone 4 Mr Sandeep Goel H.K. Agriculture Farm, Vill. Jaitpur, P.O. Kundeshwari, Kashipur (Uttarakhand) 244 713 5. Zone 5 Mr Mohanrao Janrao Jayale At Post:Akole (J), Tq. Akot. Dist. Akola (Maharashtra) 444 101 6. Zone 6 Mr Sohan Singh Chouhan Shri Ashapura Bagwani Farm Village & Post-Joyla, Tehsil-Sheoganj District-Sirohi (Rajasthan) 7. Zone 7 Mr Dolamani Sahu At-Malipali, Po-Gaisama Via-Tora, Dist-Bargarh (Odisha) 768 040 8. Zone 8 Shri H. Sadananda Tapasihalli Village, Antharahalli Post, Doddaballapur taluk, Bangalore rural district (Karnataka)
N.G. Ranga Farmer Award for Diversified Agriculture 2012	1. Major Manmohan Singh Verka D-107, Ranjit Avenue, Amritsar (Punjab) 143 001
Dr Rajendra Prasad Puruskar for technical books in Hindi in Agricultural and Allied Sciences 2012	1. Dr Rajendra Kumar Yadav Department of Genetics and Plant Breeding, C.S. Azad University of Agriculture & Technology, Kanpur (Uttar Pradesh) 208 002

AWARDS	AWARDEES
	Dr Ram Krishan (Associate) C.S. Azad University of Agriculture & Technology, Kanpur (Uttar Pradesh) 208 002 Dr Chandra Bhanu Scientist, Plant Pathology, Project Directorate for Farming Systems Research, Modipuram, Meerut (Uttar Pradesh) 250 110 Dr V.S. G.R. Naidu (Associate) Project Directorate for Farming Systems Research, Modipuram, Meerut (Uttar Pradesh) 250 110
Vasantrao Naik Award for Research Application in Agriculture 2012	Dr O.P. S. Khola Principal Scientist & Head Central Soil and Water Conservation Research and Training Institute Research Centre, Rees' Corner, Fernhill Post, Udhagamandalam, The Nilgiris (Tamil Nadu) 643 004 Dr (Ms) V. Selvi (Associate) Central Soil and Water Conservation Research and Training Institute Research Centre, Rees' Corner, Fernhill Post, Udhagamandalam, The Nilgiris (Tamil Nadu) 643 004 Dr D.V. Singh (Associate) Central Soil and Water Conservation Research and Training Institute Research Centre, Rees' Corner, Fernhill Post, Udhagamandalam, The Nilgiris (Tamil Nadu) 643 004 Dr K. Kannan (Associate) Central Soil and Water Conservation Research and Training Institute Research Centre, Rees' Corner, Fernhill Post, Udhagamandalam, The Nilgiris (Tamil Nadu) 643 004
Swami Sahajanand Saraswati Outstanding Extension Scientist Award 2012	Dr Dayaram Senior Scientist, Plant Pathology, Department of Microbiology Faculty of Basic Sciences and Humanities Rajendra Agricultural University, Bihar Pusa Samastipur, (Bihar) 848 125 Dr Sarla Lakhawat SMS (Home Science) 5/4 CAD Colony, Anta, Baran (Rajasthan) 325 202
Chaudhary Charan Singh Award for excellence in Journalism in Agricultural Research and Development 2012	Electronic Media Shri Virsain Malik (Programme Executive Farm & Home) Sansad Marg, All India Radio, New Delhi 110 001 Print Media Shri Naseeb Saini S/o Sh. Daya Ram, Vill. Roherian PO Chandana, Tehsil and Kaithal (Haryana)
Zonal Best Krishi Vigyan Kendra Award 2012 (National)	Ramkrishna Ashram Krishi Vigyan Kendra, P.O. Nimpith Ashram, Distt., South 24-Parganas Sundarbans, (West Bengal) 743 338

AWARDS	AWARDEES
Zonal Best Krishi Vigyan Kendra Award 2012 (Zonal)	Zone 1 Krishi Vigyan Kendra, Mandi at Sundernagar District Mandi (Himachal Pradesh) 175 019 Zone 2 Krishi Vigyan Kendra, Birauli Samastipur (Bihar) 848 113 Zone 3 KVK-Senapati Hengbung Village BPO Hengbung, P.O. Kangpokpi, Senapati District (Manipur) 795 129 Zone 4 Krishi Vigyan Kendra, Dhakrani (Zone-IV)G.B. Pant University of Agriculture and Technology, Krishi Vigyan Kendra Dhakrani, Dehra Dun (Uttarakhand) 248 142 Zone 5 Agriculture Development Trust's Krishi Vigyan Kendra, At Sharadanagar, Malegaon Colony, Tal-Baramati, District Pune (Maharashtra) 413 115 Zone 6 Krishi Vigyan Kendra, Sirohi (Rajasthan) 307 001 Programme Coordinator Krishi Vigyan KendraNear Ambeshwarji Temple Pali Road, Post Box-15 Sirohi (Rajasthan) 307 001 Zone 7 Krishi Vigyan Kendra, Kanker District-Kanker (Chattisgarh) 494 334 Zone 8 Krishi Vigyan Kendra Hadonahalli Thubagere Hobli Doddaballapura Taluk, Bengaluru Rural District (Karnataka) 561 205

APPENDIX 12

RESULTS-FRAMEWORK DOCUMENT FOR DEPARTMENT OF AGRICULTURAL RESEARCH AND EDUCATION (2012-2013)



RFD
Results-Framework Document
For
Department of Agricultural Research and Education
(2012-2013)

Section I
Vision, Mission, Objectives and Functions

Vision

Harnessing science to ensure comprehensive and sustained physical, economic and ecological access to food and livelihood security to all Indians, through generation, assessment, refinement and adoption of appropriate technologies.

Mission

Sustainability and growth of Indian agriculture by interfacing agricultural research, higher education and front-line extension initiatives complemented with institutional, infrastructural and policy support that will create efficient and effective science-harnessing tool.

Objective

- 1 Improving natural resource management and input use efficiency
- 2 Strengthening of higher agricultural education
- 3 Utilizing frontier research in identified areas / programs for better genetic exploitation
- 4 Strengthening of frontline agricultural extension system and addressing gender issues
- 5 IP management and commercialization of technologies
- 6 Assessment and monitoring of fishery resources
- 7 Development of vaccines and diagnostics
- 8 Post harvest management, farm mechanization and value addition

Functions

- 1 To develop Public-Private-Partnerships in developing seeds, planting materials, vaccines, feed formulations, value added products, agricultural machinery etc.
- 2 To serve as a repository in agriculture sector and develop linkages with national and international organizations as per the needs and current trends.
- 3 To plan, coordinate and monitor research for enhancing production and productivity of agriculture sector.
- 4 To enhance quality of higher education in agriculture sector.
- 5 Technology generation, commercialization and transfer to end users.
- 6 Human resource development and capacity building.
- 7 To assess implementation of various programmes in relation to target sets and provide mid-course correction, if required.

Section 2

Inter-se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success	Unit	Weight 100%	Target/Criteria Value					
						Excellent 90%	Very Good 80%	Good 70%	Fair 60%	Poor	
[1] Improving natural resource management and input use efficiency	17.00	[1]	[1.1.1]	Developing GIS based district / block level soil fertility maps	Number	2.55	112	100	88	78	67
			[1.1.2]	Developing INM packages for different agro-eco regions of the country	Number	2.55	7	6	5	4	3
			[1.1.3]	Organizing training & demonstrations	Number	1.70	27	25	22	19	16
		[1.2]	[1.2.1]	Technologies for enhancing water use efficiencies	Number	1.70	6	5	4	3	2
			[1.2.2]	Technologies for water harvesting storage and groundwater recharge	Number	1.70	6	5	4	3	2
			[1.2.3]	Models / DSS for multiple uses of water	Number	0.85	4	3	2	1	0
[2] Strengthening of higher agricultural education	17.00	[1.3]	[1.2.4]	Organizing training & demonstrations	Number	1.70	17	15	14	12	10
			[1.3.1]	Awareness building amongst stake holders through trainings / demonstrations	Number	1.02	170	150	136	119	102
			[1.3.2]	Human resource development and capacity building	Number	1.02	170	150	136	119	102
		[1.3.3]	Testing crop varieties for climate resilience at different locations	Number	2.21	12	10	9	8	7	
		[2.1.1]	Number of universities granted accreditation / extension of accreditation	Number	2.55	9	8	6	5	4	
		[2.1]	Accreditation / Extension of accreditation of agricultural universities								

Objective	Weight	Action	Success	Unit	Weight 100%	Target/Criteria Value				
						Excellent 90%	Very Good 80%	Good 70%	Fair 60%	Poor
[3] Utilizing frontier research in identified areas/programs for better genetic exploitation	13.00	[2.2] Grant of ICAR International fellowships to Indian and foreign students	[2.2.1] Number of fellowships awarded (subject to availability of competent candidates)	Number	2.55	13	12	10	8	6
		[2.3] Grant of JRF and SRF to students	[2.3.1] Total No. of fellowships granted every year (subject to availability of competent candidates)	Number	4.25	630	625	575	500	475
		[2.4] Establishment of experiential learning units	[2.4.1] Experiential learning units established	Number	1.70	25	22	20	18	15
		[2.5] Financial support and monitoring of progress	[2.5.1] Amount released	Rupees in crores	2.55	380	360	340	320	300
		[2.6] Capacity building and faculty up-gradation	[2.6.1] Number of teachers trained per year	Number	1.70	1000	900	800	700	600
			[2.6.2] Number of Summer / Winter Schools organized	Number	1.70	25	22	20	18	16
	13.00	[3.1] Collection, characterization and conservation of genetic resources	[3.1.1] Number of germplasm collected/ characterized and conserved (other crops)	Number	1.17	5000	4000	3000	2500	2000
			[3.1.2] Number of germplasm collected (horticultural crops)	Number	1.17	350	315	280	245	210
		[3.2] Evaluation of genetic resources / improved varieties for suitable crop husbandry practices	[3.2.1] Number of germplasm evaluated	Number	1.17	3000	2500	2000	1500	1000
		[3.3] Production of breeder seed, other seeds and planting materials	[3.3.1] Quantity of breeder seed produced (other crops)	Tonnes	1.30	8500	8200	8000	7500	7000
			[3.3.2] Quantity of breeder seed produced (horticultural crops)	Tonnes	1.17	4000	3600	3200	2800	2400

Objective	Weight	Action	Success	Unit	Weight 100%	Target/Criteria Value						
						Excellent 90%	Very Good 80%	Good 70%	Fair 60%	Poor		
[4] Strengthening of frontline agricultural extension system and addressing gender issues	13.00	[3.4] Development of improved varieties suited to diverse agro ecologies	[3.3.3]	Quantity of planting materials produced annually	Number (in lakhs)	1.17	45	40.5	36	31.5	27	
			[3.4.1]	Number of varieties developed (other crops)	Number	1.17	15	12	10	8	5	
			[3.4.2]	Number of varieties developed (pulses / oilseeds)	Number	1.17	17	13	11	9	7	
			[3.4.3]	Number of varieties developed (horticultural crops)	Number	1.17	20	18	16	14	12	
		[3.5]	Production of piglets (8-12 weeks of age)	[3.5.1]	Provisioning of piglets to farmers and development agencies	Number	1.17	1000	900	800	600	550
		[3.6]	Production of day old as well as 6 weeks old chicks	[3.6.1]	Provisioning of day old / 6 weeks old chicks to farmers and development agencies	Number (in lakhs)	1.17	2.5	2	1.5	1	0.5
[5] IP management and commercialization of technologies	9.00	[4.1]	Technology assessment through on-farm trials	[4.1.1]	Number of technologies assessed	Number	5.20	240	220	200	150	140
		[4.2]	Capacity building through training programmes	[4.2.1]	Number of training programmes organized	Number	5.20	20000	18000	16000	15000	14000
		[4.3]	Promotion of technologies covering gender concerns	[4.3.1]	Gender-related technology promotion programs conducted	Number	2.60	30	25	20	16	15
		[5.1]	Partnership development, including licensing of ICAR technologies	[5.1.1]	Partners (private sector) identified	Number	4.50	30	25	20	15	10

Objective	Weight	Action	Success	Unit	Weight 100%	Target/Criteria Value				
						Excellent 90%	Very Good 80%	Good 70%	Fair 60%	Poor
[6] Assessment and monitoring of fishery resources	6.00	[5.2] Patents and other IPR titles	[5.2.1] Applications filed	Number	4.50	95	90	80	70	60
		[6.1] Fish resources assessment and eco-system monitoring	[6.1.1] Number of explorations / surveys carried out	Number	3.60	70	65	60	55	50
			[6.1.2] Development of GIS based aquatic resource database	Number	2.40	8	6	5	4	3
[7] Development of vaccines and diagnostics	5.00	[7.1] Production of diagnostic kits and field validation	[7.1.1] Diagnostic kits developed	Number	3.00	5	3	2	1	0
		[7.2] Production of vaccines against important animal diseases and their validation	[7.2.1] Production of vaccines	Number	2.00	3	2	1	0	0
[8] Post harvest management, farm mechanization and value addition	5.00	[8.1] Develop / refine equipment for crop production & processing	[8.1.1] Equipment developed / refined	Number	1.25	20	18	16	14	12
		[8.2] Testing of commercial prototypes/technologies	[8.2.1] Commercial test reports/ samples tested	Number	1.25	12	11	10	8	6
		[8.3] Process protocols for product development, storage, safety and improved quality	[8.3.1] Process protocols	Number	1.25	11	10	8	6	5
		[8.4] Development / refinement of products from crops, fibres, natural gums / resins, livestock / fishes	[8.4.1] Value-added products	Number	1.25	14	12	10	8	6
*	3.00	Efficient Functioning of the RFD System	Timely submission of Draft for Approval	Date	2.0	05/03/2012	06/03/2012	07/03/2012	08/03/2012	09/03/2012
		Timely submission of Results	On- time submission	Date	1.0	01/05/2012	03/05/2012	04/05/2012	05/05/2012	06/05/2012

Objective	Weight	Action	Success	Unit	Weight 100%	Target/Criteria Value				
						Excellent 90%	Very Good 80%	Good 70%	Fair 60%	Poor
* Administrative Reforms	6.00	Implement mitigating strategies for reducing potential risk of corruption Implement ISO 9001 as per the approved action plan Identify, design and implement major innovations Implementation of Sevottam	% of implementation Area of operations covered Implementation of identified innovations Independent Audit of Implementation of Citizen's Charter Independent Audit of implementation of public grievance redressal system	% % Date %	2.0 2.0 2.0 2.0	100 100 05/03/ 2013 100	95 95 06/03/ 2013 95	90 90 07/03/ 2013 90	85 85 08/03/ 2013 85	80 80 09/03/ 2013 80
* Improving Internal Efficiency/responsiveness/ service delivery of Ministry/Department	4.00									
* Ensuring compliance to the Financial Accountability Framework	2.00	Timely submission of ATNs on Audit paras of C&AG Timely submission of ATRs to the PAC Sectt. on PAC Reports. Early disposal of pending ATNs on Audit Paras of C&AG Reports presented to Parliament before 31.3.2012. Early disposal of pending ATRs on PAC Reports presented to Parliament before 31.3.2012	Percentage of ATNs submitted within due date (4 months) from date of presentation of Report to Parliament by CAG during the year. Percentage of ATRS submitted within due date (6 months) from date of presentation of Report to Parliament by PAC during the year. Percentage of outstanding ATNs disposed off during the year. Percentage of outstanding ATRS disposed off during the year.	% % % %	0.5 0.5 0.5 0.5	100 100 100 100	90 90 90 90	80 80 80 80	70 70 70 70	60 60 60 60
* Mandatory Objective(s)										

Section 3

Trend Values of the Success Indicators

Objective	Action	Success indicator	Unit	Actual value FY 10/11	Actual value FY 11/12	Target value FY 12/13	Projected value FY 13/14	Projected value FY 14/15
[1] Improving natural resource management and input use efficiency	[1.1] Integrated nutrient management (INM)	[1.1.1] Developing GIS based Number district/block level soil fertility maps,	Number	10	13	100	71	15
		[1.1.2] Developing INM Number packages for different agro-eco regions of the country	Number	4	4	6	6	8
		[1.1.3] Organizing training & demonstrations	Number	15	25	18	25	25
	[1.2] Integrated water management (IWM)	[1.2.1] Technologies for Number enhancing water use efficiencies	Number	4	4	5	2	2
		[1.2.2] Technologies for water harvesting storage and groundwater recharge	Number	5	5	5	3	3
		[1.2.3] Models/DSS for multiple	Number	2	2	3	1	1
		[1.2.4] Organizing training & demonstrations	Number	10	13	15	15	16
	[1.3] Climate resilient agriculture	[1.3.1] Awareness building amongst stake holders through trainings / demonstrations	Number	0	100	150	100	100
		[1.3.2] Human resource development and capacity building	Number	0	100	150	50	100
		[1.3.3] Testing crop varieties for climate resilience at different locations	Number	0	7	10	10	10
[2] Strengthening of higher agricultural education	[2.1] Accreditation / Extension of accreditation of agricultural universities	[2.1.1] Number of universities granted accreditation / extension of	Number	8	8	8	10	10
			accreditation					

Objective	Action	Success indicator	Unit	Actual value FY 10/11	Actual value FY 11/12	Target value FY 12/13	Projected value FY 13/14	Projected value FY 14/15
[3] Utilizing frontier research in identified areas / programs for better genetic exploitation	[2.2] Grant of ICAR International fellowships to Indian and foreign students	[2.2.1] Number of fellowships awarded (subject to availability of competent candidates)	Number	12	12	12	14	15
	[2.3] Grant of JRF and SRF to students	[2.3.1] Total No. of fellowships granted every year (subject to availability of competent candidates)	Number					
	[2.4] Establishment of experiential learning units	[2.4.1] Experiential learning units established	Number	20	25	22	35	37
	[2.5] Financial support and monitoring of progress	[2.5.1] Amount released crores	Rupees in	289	325	360	375	385
	[2.6] Capacity building and faculty up-gradation	[2.6.1] Number of teachers trained per year	Number	1000	100	900	1000	1000
		[2.6.2] Number of Summer/ Winter Schools organized	Number	40	35	22	35	35
	[3.1] Collection, characterization and conservation of genetic resources	[3.1.1] Number of germplasm collected/characterized and conserved (other crops)	Number	2000	2000	4000	2200	2300
		[3.1.2] Number of germplasm collected (horticultural crops)	Number	45	300	315	400	400
	[3.2] Evaluation of genetic resources / improved varieties for suitable crop husbandry practices	[3.2.1] Number of germplasm evaluated	Number	1800	2000	2500	2200	2400
	[3.3] Production of breeder seed, other seeds and planting materials	[3.3.1] Quantity of breeder seed produced (other crops)	Tonnes	8000	8000	8200	8200	8500
		[3.3.2] Quantity of breeder seed produced (horticultural crops)	Tonnes	2250	3500	3600	4500	4800

Objective	Action	Success indicator	Unit	Actual value FY 10/11	Actual value FY 11/12	Target value FY 12/13	Projected value FY 13/14	Projected value for FY 14/15
		[3.3.3] Quantity of planting materials produced annually	Number (in lakhs)	13	40	40.5	50	52
	[3.4] Development of improved varieties suited to diverse agro ecologies	[3.4.1] Number of varieties developed (other crops)	Number	10	10	12	12	12
		[3.4.2] Number of varieties developed (pulses / oilseeds)	Number	–	–	13	13	13
		[3.4.3] Number of varieties developed (horticultural crops)	Number	4	15	18	20	20
	[3.5] Production of piglets (8-12 weeks of age)	[3.5.1] Provisioning of piglets to farmers and development agencies	Number	900	900	900	900	1000
	[3.6] Production of day old as well as 6 weeks old chicks	[3.6.1] Provisioning of day old / 6 weeks old chicks to farmers and development agencies	Number (in lakhs)	0.6	2	2	2	2.5
[4] Strengthening of frontline agricultural extension system and addressing gender issues	[4.1] Technology assessment through on-farm trials	[4.1.1] Number of technologies assessed	Number	–	200	220	260	280
	[4.2] Capacity building through training programmes	[4.2.1] Number of training programmes organized	Number	–	–	18000	20000	22000
	[4.3] Promotion of technologies covering gender concerns	[4.3.1] Gender-related technology promotion programs conducted	Number	–	20	25	30	35
[5] IP management and commercialization of technologies	[5.1] Partnership development, including licensing of ICAR technologies	[5.1.1] Partners (private sector) identified	Number	20	25	25	35	40
	[5.2] Patents and other IPR titles	[5.2.1] Applications filed	Number	70	90	90	130	150
[6] Assessment and monitoring of fishery resources	[6.1] Fish resources assessment and ecosystem monitoring	[6.1.1] Number of explorations / surveys carried out	Number	40	60	65	70	75

Objective	Action	Success indicator	Unit	Actual value FY 10/11	Actual value FY 11/12	Target value FY 12/13	Projected value for FY 13/14	Projected value for FY 14/15
[7] Development of vaccines and diagnostics		[6.1.2] Development of GIS based aquatic resource database	Number	4	6	6	7	8
	[7.1] Production of diagnostic kits and field validation	[7.1.1] Diagnostic kits developed	Number	2	4	3	3	4
	[7.2] Production of vaccines against important animal diseases and their	[7.2.1] Production of vaccines validation	Number	2	2	2	3	3
	[8.1] Develop / refine equipment for crop production & processing	[8.1.1] Equipment developed / refined	Number	20	20	18	25	25
[8] Post harvest management, farm mechanization and value addition	[8.2] testing of commercial prototypes/technologies	[8.2.1] Commercial test report/samples tested	Number	12	12	11	15	15
	[8.3] Process protocols for product development, storage, safety and improved quality	[8.3.1] Process protocols	Number	10	11	10	13	13
	[8.4] Development / refinement of products from crops, fibres, natural gums / resins, livestock / fishes	Value-added products	Number	12	14	12	18	18
* Efficient Functioning of the RFD System	Timely submission of Draft for Approval	On-time submission	Date	05/03/2010	06/03/2011	06/03/2012	–	–
* Administrative Reforms	Timely submission of Results	On- time submission	Date	27/04/2011	–	03/05/2012	–	–
	Implement mitigating strategies for reducing potential risk of corruption	% of implementation	%	–	–	95	–	–
	Implement ISO 9001 as per the approved action plan	Area of operations covered	%	–	–	95	–	–
	Identify, design and implement major innovations	Implementation of identified innovations	Date	–	–	06/03/2012	–	–
* Improving Internal Efficiency / responsiveness / service delivery of Ministry / Department	Implementation of Sevottam system	Independent Audit of Implementation of Citizen's Charter	%	–	–	95	–	–

Objective	Action	Success indicator	Unit	Actual value FY 10/11	Actual value FY 11/12	Target value FY 12/13	Projected value for FY 13/14	Projected value for FY 14/15
* Ensuring compliance to the Financial Accountability Framework		Independent Audit of implementation of public grievance redressal	%	-	-	95	-	-
	Timely submission of ATNs on Audit paras of C&AG	Percentage of ATNs submitted within due date (4 months) from date of presentation of Report to Parliament by CAG during the year.	%	-	-	90	-	-
	Timely submission of ATRs to the PAC Sectt. on PAC Reports.	Percentage of ATRs submitted within due date (6 months) from date of presentation of Report to Parliament by PAC during the year.	%	-	-	90	-	-
	Early disposal of pending ATNs on Audit Paras of C&AG Reports presented to Parliament before 31.3.2012.	Percentage of outstanding ATNs disposed off during the year.	%	-	-	90	-	-
	Early disposal of pending ATRs on PAC Reports presented to Parliament before 31.3.2012	Percentage of outstanding ATRs disposed off during the year.	%	-	-	90	-	-
* Mandatory Objective(s)								

Section 4

Description and Definition of Success Indicators and Proposed Measurement Methodology

Objective 1. Improving natural resource management and input use efficiency

Improving natural resource management and input use efficiency with respect to improving soil health and water productivity, integrated nutrient and water management are essential. The action points/ success indicators for INM cover developing GIS based soil fertility maps, macro / micro-level land use plans, developing and disseminating integrated nutrient management packages, technologies for improving the productivity of problem soils, IFS models etc. For facilitating IWM, enhancing water storage and ground water recharge, multiple uses of water, precision/microirrigation systems, recycling of wastewater and other on-farm management issues like resource conservation technologies, deficit irrigation, tools and models to support decision making are planned. For mitigating adverse impact of climate change on crops, livestock, horticulture and fisheries, emphasis will specifically be on climate resilient agriculture through identifying the vulnerable zones and mitigating measures through basic and strategic research. In order to improve the capacity of research and developmental organizations and their staff, provision has been made for strengthening them with state of the art technologies through training programmes / field demonstrations etc.

Objective 2. Strengthening of higher agricultural education

The success will be measured from the indicator the number of universities having developed appropriate e-learning tools and resources. Similarly, Accreditation / Extension of accreditation of agricultural universities will require number of universities granted accreditation / extension of accreditation; Grant of ICAR International fellowships to Indian and foreign students, and JRF and SRF, as applicable, will cover number of such fellowships awarded. However, such numbers of grants will also depend upon the availability of competent candidates for the fellowships. Capacity building and faculty upgradation of teachers will be measured from the number of teachers trained per year.

Objective 3. Utilizing frontier research in identified areas / programs for better genetic exploitation

The emphasis on natural resource management is laid to ensure efficient use of natural resources under the changing situations. This can be supported by developing high yielding varieties, requiring less input like fertilizers, water and pesticides. With respect to conservation of genetic resources for sustainable use, it is envisaged to conserve plant genetic resources to have repository, evaluation and further utilization of resources for improving yield in a sustainable manner. The genetic diversity of various horticultural crops will be collected from different eco-regions, characterized and utilized to develop varieties for higher yields, quality and biotic and abiotic stresses. The action points /success indicators include production of quality seed and planting materials.

Objective 4. Strengthening of frontline agricultural extension system and addressing gender issues

The success indicators with respect to assessment of technology through OFTs is measured by the actual number of technologies assessed by conducting on farm trials. Capacity building and trainings organized are measured with the actual numbers of such programme / activities undertaken by the KVKs. Regarding support for promoting gender issues is measured through the success indicators of actual number of gender related technology promotion programmes conducted by the DRWA.

Objective 5. IP management and commercialization of technologies

With respect to commercialization of technologies and promoting public-private partnership, it is envisaged to bring commercial ethos in agricultural research. Indicators for commercialization of technologies, promoting public-private partnership, and protection of intellectual property rights will be determined by the commercialization through partnership development, including licensing of ICAR technologies. The increasing numbers over the years may indicate a higher emphasis on technology transfer through enterprises; thereby contributing to larger adoption and improved socioeconomic impact of ICAR technologies.

Objective 6. Assessment and monitoring of fishery resources

To enhance fish production and productivity on a sustainable basis from the available resources, and to address the issues and strategies to overcome the critical research gaps in realizing the full production potential from fisheries and aquaculture sector, the research activities have been consolidated and prioritized. The action

points and the success indicators under this objective have been identified depending on the priority and availability of the resources and the needs and requirements of the stakeholders. It is expected that by undertaking these programmes, there would be an increase in fish production, conservation of resources, more opportunities for livelihood and employment generation.

Objective 7. Development of vaccines and diagnostics

The production of diagnostic kits and vaccines would involve delineation of process (processes) and thereby denoting a specific number for field testing / validation.

Objective 8. Post harvest management, farm mechanization and value addition

The action points / success indicators for development / refinement of equipment would include intended performance of the equipment and its commercial viability. Test results and on-farm trials will be used to judge the expected output. The success indicators will cover technologies developed to create innovative products that are commercially acceptable in competitive markets.

Section 5

Specific Performance Requirements from other Departments

1. A strong network support for channelizing awareness through training programmes, inputs like monetary support / loans, availability of germplasm, medicines, etc. and market access through state development agencies, KVKs and NGOs would play a major role. (State AH departments, DADF, KVKs, NGOs).
2. Development of animal disease diagnostics and vaccines requires sound commitment for monitoring support for production of diagnostic vaccines whereas for validation under field conditions, a strong commitment and participation of state agencies will be required. (State AH departments, Pvt. Industry for up-scaling).
3. The quantity of breeder seed produced is based on the quantity indented by Department of Agriculture and Cooperation, which in turn collects indents from various seed agencies including State Departments of Agriculture.
4. Technology adoption would depend upon the proactive role of development departments namely DAC, DST, DBT, DADF, SAUs etc.
5. Regarding the achievements related to technology assessment through OFTs and capacity building through training programme, the support of ICAR institutions and SAUs are required in order to ensure timely technology and methodology backstopping. In addition, farmers participation, sponsorship of trainees from the line departments, availability of required demonstration plots for conducting OFTS trials are some of the much needed support from the stakeholders.
6. The success with respect to promotion of technologies covering gender issues requires the collaboration of AICRP centres, Agricultural Engineering Division and the line departments are important in generating suitable gender data base, assessment of the technologies keeping in view the gender perspectives and their dissemination.
7. Popularization and commercialization of tools and equipment will require continued support of Department of Agriculture and Cooperation, Ministry of Agriculture for frontline demonstrations on large scale and capacity building of stakeholders and proactive role taken by various line departments in promoting improved technologies.
8. The Fisheries Division is working in close coordination and linkages with the Ministry of Agriculture; Ministry of Commerce; Ministry of Science & Technology; Ministry of Environment & Forest; Ministry of Earth Sciences; Ministry of Food Processing Industries, funding institutions, private entrepreneurs, NGOs, stakeholders etc. through interface and participation in various committees and meetings addressing the researchable issues in fisheries and aquaculture for formulating the strategies and guidelines for policy interventions to facilitate increasing fish production and productivity. Support from all these agencies and organizations are essential for achieving the mission of providing required food, nutritional, socio-economic and livelihood security.
9. The support of the Ministry of Finance and the Planning Commission would be crucial for realizing of set objectives, target and goals. Further, successful executing of the programmes would depend on the proactive role of other line departments of states and stakeholders for technology adoption and timely implementation of suggested strategies & guidelines.
10. Support from the concerned central / state line departments / SAUs, soil testing laboratories, KVKs, watershed associations, Pani Panchayat for promoting adoption of developed technologies.
11. Support from associated Institutes/DUs/SAUs/line departments for promoting adoption of developed technologies.
12. Financial support as per EFC / SFC allocation of institute under Horticulture Division including AICRP / network projects.
13. Support from SAUs, KVKs and line departments for promotion and adoption of technologies developed by the institutes.
14. Financial and technological support from other government departments like, DAC, NMPB, NHB, APEDA, MoRD, MoHFA, MoWR etc., State line departments and others including foreign collaborations.
15. The development and strengthening of the SAUs / AUs will depend upon the support / timely availability of sufficient fund from the central government.

Section 6

Outcome/Impact of Department/Ministry

Outcome/Impact of Department/Ministry	Jointly responsible for influencing this outcome / impact with the following department (s) / ministry(ies)	Success Indicator	Unit	FY 10/11	FY 11/12	FY 12/13	FY 13/14	FY 14/15
1 Enhanced agriculture productivity	DADF, DAC, Planning Commission, Ministry of Environment & Forests, Ministry of Panchayati Raj, Ministry of Rural Development and State Governments	Increase in agriculture productivity	%	0	2	2	2	2
2 Enhanced milk, egg meat & fish productivity		Increase in egg productivity	%	0	3.8	4	4	4
		Increase in meat productivity	%	0	2	2	2	2
		Increase in fish productivity	%	0	2.5	2.5	2.5	2.5
		Increase in Graduates / PG students passed out and capacity building	%	0	4	4	4	4
			%	0	5	5	5	5
3 Enhanced availability of quality human resources for agricultural research & development activities	SAUs, SVUs, Ministry of Panchayati Raj, Ministry of Rural Development and State Governments							
4 Enhanced rural livelihood security	DAC, DADF, SAUs, SVUs, Ministry of Panchayati Raj, Ministry of Rural Development, Ministry of Fertilizers and State Governments	Decrease in rural poverty	%	0	1	1	1	1
5 Improved nutritional security	DST, DBT, ICMR, Ministry of Food Processing, Ministry of Panchayati Raj, Ministry of Rural Development and State Governments	Increase in farm income	%	0	3	2	2	2
		Increase in per capita availability of agricultural products	%	0	1.6	0.8	0.8	0.8
6 Enhancing frontier research / programmes		Technical papers published in recognized journals	Number	0	4000	4500	5000	5000
		New varieties developed	Number	0	60	70	80	80
7 Commercialization of technologies	SAU/DU	Research converted into commercialized technology	Number	0	10	10	10	10

APPENDICES

Acronyms

ADF	: Acid Digestible Fibre	DG	: Director General
AFLP	: Amplified Fragment Length Polymorphism	DKMA	: Directorate of Knowledge Management in Agriculture
AI	: Artificial Insemination	DM	: Dry Matter
AICRP	: All-India Coordinated Research Project	DRWA	: Directorate of Research on Women in Agriculture
AINP	: All-India Network Project		
AKC	: Agribusiness Knowledge Centre		
AKI	: Agricultural Knowledge Initiative		
AKMU	: Agricultural Knowledge Management Unit	DU	: Deemed-to-be University
AM	: Arbuscular mycorrhiza	ECM	: Electronic Control Module
APAARI	: Asian Pacific Association of Agriculture Research Institutions	EGC	: East Ganga Canal
APSIM	: Agricultural Production Systems Simulator	EHV	: Equine Herpes Virus
AR4D	: Agricultural Research for Development	EIA	: Enzyme Immuno Assay
ARS	: Agricultural Research Service	EICA	: Egyptian International Centre for Agriculture
ASEAN	: Association of South-east Asian Nations	ELISA	: Enzyme-linked Immunosorbent Assay
ASRB	: Agricultural Scientists' Recruitment Board	ENVI	: Environment, Public Health and Food Supply
ATIC	: Agricultural Technology Information Centre	EPN	: Entomopathogenic Nematode
ATK	: Anytime KVK	ETL	: Economic Threshold Level
AU	: Agricultural University	EXPSS	: Expert System on Seed Spices
AUTM	: Association of Universities for Technology Management	FAO	: Food and Agriculture Organization
		FBS	: Fetal Bovine Serum
BBF	: Broad Bed and Furrow	FMD	: Foot-and-Mouth Disease
BCM	: Billion Cubic Metres	FSH	: Follicle-stimulating Hormone
BHU	: Banaras Hindu University	FYM	: Farmyard Manure
BLS	: Brucella Lumazine Synthase	GADVASU	: Guru Angad Dev Veterinary and Animal Sciences University
BOD	: Biochemical Oxygen Demand		
BPD	: Business Planning Development	GBNV	: Groundnut Bud Necrosis Virus
BTv	: Bluetongue Virus	GBPUAT	: Govind Ballabh Pant University of Agriculture and Technology
BVDV	: Bovine Viral Diarrhoea Virus		
CAFT	: Centres of Advanced Faculty Training	GFAR	: Global Forum on Agricultural Research
CARI	: Central Agricultural Research Institute	GDD	: Growing Degree Days
CAU	: Central Agricultural University	GDP	: Gross Domestic Production
CAV	: Canine Adino Virus	GIS	: Geographical Information System
CeRA	: Consortium for e-Resources in Agriculture	GPA	: Global Plan of Action
CFT	: Complement Fixation Text	GPS	: Global Positioning System
CGIAR	: Consultative Group on International Agricultural Research	GRD	: General Recommended Dose
CGM	: Corn Gluten Meal	HAPA	: Hybridization-supplemented Apomixis Components Partitioning Approach
CIFE	: Central Institute of Fisheries Education	HDPE	: High Density Polyethylene
CIMMYT	: Centro Internacional de Mejoramiento de Maize Trigo	HPTLC	: High Performance Thin Layer Chromatography
CLCuV	: Cotton Leaf Curl Virus	HRD	: Human Resource Development
CMS	: Cytoplasmic Male Sterile	IAA	: Indole Acetic Acid
CMV	: Cucumber Mosaic Virus	IARI	: Indian Agricultural Research Institute
CN	: Chitosan	IASRI	: Indian Agricultural Statistics Research Institute
CP	: Crude Protein		
CPE	: Cumulative Pan Evaporation	IBR	: Infectious Bovine Rhinotracheitis
CPRI	: Central Plantation Crops Research Institute	ICAR	: Indian Council of Agricultural Research
CSF	: Classical Swine Fever	ICARDA	: International Centre for Agricultural Research in Dry Areas
CTCRI	: Central Tuber Crops Research Institute		
CTMC	: Central Technology Management Committee	ICMV	: Indian Cassava Mosaic Virus
CPC	: Corn Protein Concentrate	ICRISAT	: International Crops Research Institute for Semi-Arid Tropics
CWM	: Chicken Waste Meal		
DARE	: Department of Agricultural Research and Education	ICT	: Information and Communication Technologies
DAS	: Days After Sowing	IFS	: Integrated Farming System
DAT	: Days After Transplanting	ILWIS	: Integrated Land and Water Information System
DBT	: Department of Biotechnology		
DDG	: Deputy Director General	INM	: Integrated Nutrient Management
		IPGRI	: International Plant Genetic Resources Institute

ACRONYMS

IPM	: Integrated Pest Management	PCR	: Polymerase Chain Reaction
IPR	: Intellectual Property Rights	PCV	: Packed Cell Volume
IRRI	: International Rice Research Institute	PG	: Post-graduate
IVDMD	: <i>In vitro</i> Dry Matter Digestibility	PGPR	: Plant Growth Promoting Rhizobia
IVRI	: Indian Veterinary Research Institute	PLC	: Programmable Logic Controller
JEV	: Japanese Encephalitis Virus	PPGSE	: Plausible Potato Growing Seasons Estimator
KM	: Knowledge Management	PPR	: Peste des Petits Ruminants
KVASU	: Kerala Veterinary and Animal Sciences University	PSE	: Pale Soft Exudative
KVK	: Krishi Vigyan Kendra	PSS	: Porcine Stress Syndrome
LCV	: Leaf Curl Virus	PTO	: Power Take Off
LDPE	: Low Density Polyethylene	RAU	: Rajendra Agricultural University/Rajasthan Agricultural University
LMU	: Land Management Unit	RAWE	: Rural Agricultural Work Experience
LPG	: Liquid petroleum gas	RDF	: Recommended Dose of Fertilizers
MAB	: Monoclonal Antibody	RE	: Revised Estimate
MAP	: <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i>	RFD	: Results-Framework Document
MAS	: Molecular Marker-assisted Selection	RFLP	: Restricted Fragment Length Polymorphism
MGNREGS	: Mahatma Gandhi National Rural Employment Guarantee Scheme	RH	: Relative Humidity
MNRE	: Ministry of New and Renewable Energy	RMP	: Research Management Positions
MDV	: Marek's disease virus	RNFE	: Rural non-farm Employment
MoU	: Memorandum of Understanding	SAARC	: South Asian Association for Regional Co-operation
MPP	: Methane Production Potential	SAB	: Spore Associated Bacteria
MPAUT	: Maharana Pratap University of Agriculture and Technology	SAUs	: State Agricultural Universities
MR	: Moderately Resistant	SCAR	: Sequence Characterized Amplified Region
MSCs	: Mesenchymal Stem Cells	SCSMV	: Sugarcane Streak Mosaic Virus
MW	: Molecular Weight	siRNA	: Small interfering RNA
NA	: Nutrient Agar	ShRNA	: Small hairpin RNA
NAARM	: National Academy of Agricultural Research and Management	SLCMV	: Sri Lankan Cassava Mosaic Virus
NABG	: National Agricultural Bioinformatics Grid	SMA	: Single Marker Analysis
NAE	: Niche Area of Excellence	SNP	: Single Nucleotide Polymorphism
NAIP	: National Agricultural Innovation Project	SOC	: Soil Organic Carbon
NARC	: Nepal Agricultural Research Council	SOD	: Superoxide Dismutase
NARD	: National Agricultural Research Database	SRF	: Senior Research Fellowship
NARS	: National Agricultural Research System	SSD	: Surface and Subsurface Drainage
NBSS&LUP	: National Bureau of Soil Survey and Land Use Planning	SRI	: System of Rice Intensification
NDF	: Non-digestible Fibre	SSH	: Suppression Subtractive Hybridization
NDRI	: National Dairy Research Institute	SVVU	: Sri Venkateswara Veterinary University
NEH	: North-eastern Hills	SWYMOD	: Surface Water Yield Model
NET	: National Eligibility Test	TANUVAS	: Tamil Nadu University of Veterinary and Animal Sciences
NFBSFARA	: National Fund for Basic, Strategic and Frontier Application Research in Agriculture	TDN	: Total Digestible Nutrient
NGOs	: Non-Government Organizations	TFP	: Total Factor Productivity
NHCP	: National Herbarium of Cultivated Plants	THI	: Temperature Humidity Index
NIABI	: Network of Indian Agri-business Incubators	TLCV	: Tomato Leaf Curl Virus
NICRA	: National Initiative on Climate Resilient Agriculture	TLR-1	: Toll Like Receptor-1
NISAGENET	: National Information System on Agricultural Education Network	TNAU	: Tamil Nadu Agricultural University
NISM	: National Information Sharing Mechanism	TOT	: Transfer of Technology
NPV	: Nuclear Polyhedrosis Virus	TSBV	: Thaisac Brood Virus
NRC	: National Research Centre	TSP	: Tribal sub-Plan
NSKE	: Neem Seed Kernel Extract	TSS	: Total Soluble Solids/Sugars
NTS	: National Talent Scholarship	UAS	: University of Agricultural Sciences
OBCs	: Other Backward Classes	UG	: Under-graduate
OER	: Open Educational Resources	UGC	: University Grants Commission
OL	: Other Languages	UV	: Ultra Violet
OMP	: Outer Membrane Protein	VACV	: Vaccinia Virus
OUAT	: Orissa University of Agriculture and Technology	VCRM	: Village Climate Risk Management Committee
PAGE	: Polyacrylamide Gel Electrophoresis	VPKAS	: Vivekananda Parvatiya Krishi Anusandhan Sansthan
PAU	: Punjab Agricultural University	VTCC	: Veterinary Type Culture Centre
		WB	: Western blot test
		WNV	: West Nile virus
		WUE	: Water-use Efficiency
		WPR	: Workforce participation rate

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*President of India Shri Pranab Mukherjee
on the occasion of 85th ICAR Foundation Day 2013*



*Dr. Norman E. Borlaug, Nobel Peace Laureate whose
Wheat Varieties enabled the Green Revolution & Fed Millions.
50 years of his first visit to India commemorated
by unveiling his statue at NASC, Pusa, New Delhi*



*Recognition for DARE/ICAR Quality Management Systems:
ISO 9001: 2008 Certification*