

Appendices

(A) DEPARTMENT OF AGRICULTURAL RESEARCH AND EDUCATION

APPENDIX I

**THE GOVERNMENT OF INDIA (ALLOCATION OF BUSINESS) RULES
THE SECOND SCHEDULE
(RULE 3)**

- (A) Distribution of Subjects in the Department (Vibhag),
Ministry of Agriculture (Krishi Mantralaya)**
- (B) Department of Agricultural Research and Education
(Krishi Anusandhan aur Shiksha Vibhag)**

Part I

The following 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 educational institutions and organizations, including participation in international conferences, associations and other bodies dealing with agricultural research and education and follow-up of decisions at such international conferences, etc.
2. Fundamental, applied and operational research and higher education including co-ordination of such research and higher education in agriculture including agroforestry, animal husbandry, dairying and fisheries, including agricultural statistics, economics and marketing.
3. Co-ordination and determination of standards in institutions for higher education or research and scientific and technical institutions insofar as it relates to food and agriculture including animal husbandry, dairying and fisheries.
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 of the Constitution of India.

6. Agricultural Education and Research.

Part III

General and consequential:

7. All matters relating to foreign aid received from foreign countries and International Organizations insofar as agricultural research and education and allied subjects are concerned, including all matters relating to assistance afforded by India to foreign countries in the field of agricultural research and education and allied subjects.
8. Plant introduction and exploration.
9. All-India Soil and Land-Use Survey relating to research, training, correlation, classification, soil mapping and interpretation.
10. Financial assistance to state governments and agricultural universities in respect of agricultural research and educational schemes and programmes.
11. National Demonstrations.
12. Indian Council of Agricultural Research and its constituent research institutes, stations, laboratories and centres.
13. Offences against laws with respect to any of the subjects allotted to this department.
14. Enquiries and statistics for the purpose of any of the subjects allotted to this department.
15. Fees in respect of any of the subjects allotted to this department except fees taken in a court.

APPENDIX II**TOTAL NUMBER OF POSTS AND NAMES OF IMPORTANT FUNCTIONARIES**

Group	Designation	Scale of pay (in rupees)	Santioned strength
A	Secretary	26,000 (Fixed)	1
A	Additional Secretary (DARE)/Secretary, ICAR	22,400 – 24,500	1
A	Financial Adviser and Additional Secretary	22,400 – 24,500	1
A	Deputy Secretary	12,000 – 16,500	2
A	Senior Principal Private Secretary	12,000 – 16,500	1
A	Under Secretary	10,000 – 15,200	7
A	Principal Private Secretary	10,000 – 15,200	1
B	Assistant Director (Official Language)	7,500 – 12,000	1
B	Private Secretary	6,500 – 10,500	1
B	Section Officer	6,500 – 10,500	4
B	Assistant	5,500 – 9,000	4
B	Personal Assistant	5,500 – 9,000	2
C	Junior Hindi Translator	5,500 – 9,000	1
C	UDC-cum-Cashier	4,000 – 6,000	1
C	UDC	4,000 – 6,000	2
C	Steno Grade 'D'	4,000 – 6,000	7
C	UDC-Hindi Typist	4,000 – 6,000	1
C	Staff Car Driver	4,000 – 6,000	1
C	LDC	3,050 – 4,590	3
D	Daftry	2,610 – 4,000	1
D	Peon	2,550 – 3,200	5
Total			48

Names of the Important Functionaries

S.No.	Name	Designation
1.	Dr Mangala Rai	Secretary, DARE/DG, ICAR
2.	Ms Sushama Nath	Additional Secretary, DARE/Secretary, ICAR
3.	Dr Rita Sharma	Additional Secretary/Financial Adviser, DARE
4.	Mr Rajiv Kumar Jain	Deputy Secretary
5.	Mr Ram Avtar	Deputy Secretary
6.	Mr R S Bhandari	Senior Principal Private Secretary
7.	Mr G Chandra Sekhar	Under-Secretary
8.	Mr Roopak Chaudhuri	Under-Secretary
9.	Ms Vandana Sharma	Under-Secretary
10.	Mr B J Bhattacharya	Under-Secretary
11.	Mr Madan Lal	Under-Secretary
12.	Mr D K Chhatwal	Under-Secretary
13.	Ms Geeta Nair	Principal Private Secretary

APPENDIX III

ACTIVITY PROGRAMME CLASSIFICATION

The Budget Estimates (BE) and Revised Estimates (RE) of DARE and ICAR (Plan, Non-Plan) for 2004–2005 are Rs 1,753.31 crores and Rs 1,675.00 crores respectively and BE for 2005–2006 (Plan and Non-Plan) is Rs 1,942.00 crores. The detailed break-up of these financial figures are given below in Tables 1 and 2.

Department of Agricultural Research and Education (DARE): The details in respect of BE and RE for 2004–2005 and BE for 2005–2006 are given in Table 1. This excludes the payment to the ICAR.

Table 1 Budget estimates and revised estimates of DARE

(Rupees in lakhs)

Item	Budget Estimates 2004–2005		Revised Estimates 2004–2005		Budget Estimates 2005–2006	
	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan
Major Head '3451'						
090 Secretariat						
Major Head '2415'	–	125	–	125	–	145
80 -General						
International Co-operation						
(010032) -India's membership contribution to Commonwealth Agricultural Bureau	–	10	–	10	–	10
(020032) -India's membership contribution to Consultative Group on International Agricultural Research	–	342	–	342	–	355
(030032) -Other Programmes	50	–	50	–	*45.50	–
(040032) -India's contribution to Asia Pacific Association of Agricultural Institutions	–	5	–	5	–	5
(050032) -India's contribution to NACA	–	12	–	12	–	12
(060032) -India's contribution to CGPRT	–	5	–	5	–	5
(070032) -India's contribution to Seed Seed Testing Association	–	1.65	–	1.65	–	2.25
(080032) -ISHS Belgium	–	0.35	–	0.35	–	0.75

*Includes Rs 45 crore for National Fund for basic and strategic research in agriculture.

Table 2 Details of Financial Outlay

Demand No. 2. Department of Agricultural Research and Education

(Rupees in crores)

	Major Head	2004-2005 Budget			2004-2005 Revised			2005-2006 Budget		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
A. Budget Allocation, net of recoveries										
Revenue		1,000.00	753.31	1,753.31	900.00	775.00	1,675.00	1,150.00	792.00	1,942.00
Capital		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1,000.00	753.31	1,753.31	900.00	775.00	1,675.00	1,150.00	792.00	1,942.00
1. Secretariat - Economic Service	3451	0.00	1.25	1.25	0.00	1.25	1.25	0.00	1.45	1.45
Agricultural Research and Education Payments to ICAR										
2. Crop Husbandry										
2.1 Payments of net proceeds of cess under Agricultural Produce Cess Act, 1940	2415	0.00	40.00	40.00	0.00	40.00	40.00	0.00	40.00	40.00
2.2 Other Programmes of Crop Husbandry										
2.2.01 Crop Sciences	2415	179.00	180.60	359.60	155.72	183.60	339.32	189.00	190.00	379.00
2.2.02 Horticulture	2415	75.00	66.10	141.10	66.00	66.60	132.60	79.00	69.50	148.50
2.2.03 Agricultural Extension	2415	160.00	0.60	160.60	152.46	0.65	153.11	230.00	0.75	230.75
2.2.04 Agricultural Education	2415	106.00	4.25	110.25	97.00	4.25	101.25	177.00	5.20	182.20
2.2.05 Economics, Statistics and Management	2415	5.00	11.75	16.75	4.00	11.86	15.86	4.50	12.50	17.00
2.2.06 Agricultural Engg. ICAR Hq Admn.	2415	28.00	22.50	50.50	24.50	22.55	47.05	30.00	23.50	53.50
2.2.07 including ASRB and DIPA	2415	5.00	180.00	185.00	3.00	189.48	192.48	3.82	190.00	193.82
2.2.08 National Agril. Technology Project	2415	127.29	0.00	127.29	126.61	0.00	126.61	60.00	0.00	60.00
2.2.09 Agril. Human Res. Dev.	2415	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.2.10 Indo-Dutch Network ORP on Drainage and Water Salinity Control in Canal commands	2415	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.2.11 Indo-French Proj. on Seabass Breedings and Culture	2415	1.21	0.00	1.21	1.21	0.00	1.21	1.18	0.00	1.18
Total other Programme of Crop Husbandry		686.50	465.80	1,152.30	630.50	478.99	1,109.49	774.50	491.45	1,265.95
Total Crop Husbandry		686.50	505.80	1,192.30	630.50	518.99	1,149.49	774.50	531.45	1,305.95
3. Soil and Water Conservation										
3.1 Soil and Water Conservation Institutes	2415	4.50	10.70	15.20	4.00	10.70	14.70	4.50	11.20	15.70
3.2 Other NRM Instts. including Agroforestry Research	2415	76.50	65.30	141.80	68.00	68.30	136.30	76.50	69.00	145.50
Total- Soil & Water Conservation		81.00	76.00	157.00	72.00	79.00	151.00	81.00	80.20	161.20
4. Animal Husbandry	2415	95.00	112.20	207.20	75.00	114.20	189.20	95.00	118.00	213.00
5. Dairy Development	2415	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6. Fisheries	2415	37.00	54.30	91.30	32.00	57.80	89.80	39.00	57.00	96.00
7. Forestry	2415	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8. Lump-sum provision for Projects/ Schemes for the benefit of North-Eastern Region and Sikkim	2552	100.00	0.00	100.00	90.00	0.00	90.00	115.00	0.00	115.00
Total-Payments to ICAR		999.50	748.30	1,747.80	899.50	769.99	1,669.49	1,104.50	786.65	1,891.15
9. Contribution to Commonwealth Agricultural Bureau, Consultative Group on International Agricultural Research and Association of Asia Pacific Agricultural Research Institutes	2415	0.50	3.76	4.26	0.50	3.76	4.26	45.50	3.90	49.40
10. Total-Agricultural Research and Education	2415	1,000.00	752.06	1,752.06	900.00	773.75	1,673.75	1,150.00	790.55	1,940.55
Grand Total		1,000.00	753.31	1,753.31	900.00	775.00	1,675.00	1,150.00	792.00	1,942.00

(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. Mr Sharad Pawar
Minister of Agriculture
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. Minister of State (Agriculture)
Government of India, Krishi Bhavan
New Delhi 110 001
- (iii) *Union Ministers holding charge of Finance, Planning, Science and 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. Mr P Chidambaram
Minister of Finance, Government of India
North Block, New Delhi 110 001
4. Mr M V Rajasekharan
Minister of State for Planning
Yojana Bhawan, Government of India
New Delhi 110 001
5. Mr Kapil Sibal
Minister of Science & Technology, and
Human Resource Development
Government of India, Shastri Bhawan
New Delhi 110 001
6. Mr Arjun Singh
Minister for Human Resources
Government of India
New Delhi 110 001
7. Mr Kamal Nath
Minister of Commerce, Government of India
Udyog Bhawan, New Delhi 110 001
- (iv) *Other Ministers in the Union Ministry of Agriculture*
8. Mr Kanti Lal Bhuria
Minister of State for Agriculture
Government of India, Krishi Bhavan,
New Delhi 110 001
- (v) *Ministers in the States/Incharge of Agriculture/Animal Husbandry/Fisheries*

Andhra Pradesh

9. Dr Y S Rajasekhar Reddy
Chief Minister holding charge for Horticulture
Government of Andhra Pradesh
Hyderabad (Andhra Pradesh) 500 022
10. Mr N Raghuvvera Reddy
Minister of Agriculture
Government of Andhra Pradesh
Hyderabad
(Andhra Pradesh) 500 022

11. Mr Fareeduddin Mohammed
Minister of Fisheries
Government of Andhra Pradesh
Hyderabad (Andhra Pradesh) 500 022
12. Mr Suryarao Gollapalli
Minister for Animal Husbandry and Dairy Development
Government of Andhra Pradesh
Hyderabad (Andhra Pradesh) 500 022

Arunachal Pradesh

13. Mr Tsering Gyurme
Minister for Agriculture
Government of Arunachal Pradesh
Itanagar (Arunachal Pradesh) 791 111
14. Minister of Fisheries
Government of Arunachal Pradesh
Itanagar (Arunachal Pradesh) 791 111

Assam

15. Dr Wazed Ali Choudhary
Minister for Agriculture and Horticulture, Government of Assam
Janta Bhavan, Guwahati (Assam) 781 006
16. Mr G C Langthasa
Minister for Veterinary and Animal Husbandry,
Hill Area Development
Government of Assam, Janta Bhavan
Guwahati (Assam) 781 006
17. Dr Nazrul Islam
Minister for Fisheries and PWD
Government of Assam, Janta Bhavan
Guwahati (Assam) 781 006
18. Dr (Ms) Hemo Proba
Minister of Horticulture
Government of Assam, Janta Bhavan
Guwahati (Assam) 781 006

Bihar

19. Minister for Agriculture
Government of Bihar
Patna (Bihar) 800 015
20. Minister for Animal Husbandry and Fisheries
Government of Bihar
Patna (Bihar) 800 015

Chhattisgarh

21. Mr Nankiram Kanwar
Minister for Agriculture, Animal Husbandry & Fisheries
Government of Chhattisgarh
Raipur (Chhattisgarh)

Delhi

22. Mr Raj Kumar Chauhan
Minister for Agriculture Development and Food,
Animal Husbandry & Fisheries
National Capital Territory of Delhi, Delhi

Goa

23. Mr Pratap Singh Rana
Chief Minister holding charge of Agriculture
Animal Husbandry and Horticulture
Government of Goa, Panaji (Goa) 403 001
24. Mr Joaquim Alemao
Minister for Fisheries
Government of Goa, Panaji (Goa) 403 001

Gujarat

25. Mr Bhupendrasinh M Chudasama
Minister for Agriculture, Animal Husbandry, Fisheries
and Horticulture
Government of Gujarat
Gandhinagar, (Gujarat) 382 010

Haryana

26. Mr Bhupinder Singh Hooda
Chief Minister for Agriculture & Horticulture,
Animal Husbandry, Fisheries
Government of Haryana
Chandigarh (Haryana) 160 001

Himachal Pradesh

27. Mr Singhi Ram
Minister of Horticulture
Government of Himachal Pradesh
Shimla (Himachal Pradesh) 171 001
28. Mr Raj Krishan Gaur
Minister for Agriculture
Government of Himachal Pradesh
Shimla (Himachal Pradesh) 171 001
29. Mr Harsh Mahajan
Minister of State for Animal Husbandry and Fisheries
Government of Himachal Pradesh
Shimla (Himachal Pradesh) 171 001

Jammu and Kashmir

30. Mr Abdul Aziz Zargar
Minister for Agriculture, Animal Husbandry,
Horticulture and Cooperation
Government of Jammu and Kashmir
Srinagar (Jammu and Kashmir) 190 001
31. Mr Gulam Mohuddin Sofi
Minister of Fisheries
Government of Jammu & Kashmir
Srinagar (Jammu & Kashmir) 190 001

Jharkhand

32. Mr Arjun Munda
Chief Minister holding charge of Animal Husbandry,
Horticulture and Fisheries
Government of Jharkhand, Ranchi (Jharkhand) 834 002
33. Mr Devidhan Besra
Minister for Agriculture
Government of Jharkhand
Ranchi (Jharkhand) 834 002

Karnataka

34. Mr R Srinivas
Minister of Fisheries and Horticulture
Government of Karnataka
Bangalore (Karnataka) 560 001

35. Mr Merajuddin N Patel
Minister for Animal Husbandry and Wakf
Government of Karnataka
Bangalore (Karnataka) 560 001
36. Mr Srinivasa Gowda
Minister for Agriculture
Government of Karnataka
Bangalore (Karnataka) 560 001

Kerala

37. Ms K R Gouri Amma
Minister for Agriculture & Coir including Animal
Husbandry and Horticulture
Government of Kerala
Thiruvananthapuram (Kerala) 695 001
38. Mr Dominic Presentation
Minister of Fisheries
Government of Kerala
Thiruvananthapuram (Kerala) 695 001

Madhya Pradesh

39. Mr Gopal Bhargava
Minister for Agriculture
Government of Madhya Pradesh
Bhopal (Madhya Pradesh) 423 006
40. Mr Moti Kashyap
Minister for Fisheries
Government of Madhya Pradesh
Bhopal (Madhya Pradesh) 423 006
41. Mr Sunil Naik
Minister for Animal Husbandry
Government of Madhya Pradesh
Bhopal (Madhya Pradesh) 423 006
42. Minister for Horticulture
Government of Madhya Pradesh
Bhopal (Madhya Pradesh) 432 006

Maharashtra

43. Mr Balasaheb Thorat
Minister for Agriculture
Government of Maharashtra
Mumbai (Maharashtra) 400 032
44. Mr Anees Ahmad
Minister for Fisheries, Animal Husbandry and Dairy
Development
Government of Maharashtra
Mumbai (Maharashtra) 400 032
45. Mr Vinay Kore
Minister for Horticulture and Non-conventional Energy
Government of Maharashtra
Mumbai (Maharashtra) 400 032

Manipur

46. Mr P H Parijat Singh
Minister of Agriculture
Government of Manipur
Imphal (Manipur) 795 001
47. Mr M D Alauddin Khan
Minister for Animal Husbandry
Government of Manipur
Imphal (Manipur) 795 001
48. Dr N Manji Singh
Minister for Fisheries
Government of Manipur
Imphal (Manipur) 795 001

49. Mr Gaikhangam
Minister for Horticulture
Government of Manipur
Imphal (Manipur) 795 001

Meghalaya

50. Mr H R D Lyngdoh
Minister for Agriculture and Horticulture
Government of Meghalaya
Meghalaya Secretariat
Shillong (Meghalaya) 793 001
51. Dr M L Mukhim
Minister for Animal Husbandry
Government of Meghalaya, Meghalaya Secretariat (C)
Shillong (Meghalaya) 793 001
52. Mr F Lyngdoh
Minister for Fisheries
Meghalaya Secretariat (C)
Shillong (Meghalaya) 793 001

Mizoram

53. Mr H Rammawi
Minister for Agriculture and Horticulture
Government of Mizoram
Aizwal (Mizoram) 796 001
54. Mr Lalrin Chhana
Minister for Animal Husbandry
Government of Mizoram
Aizwal (Mizoram) 796 001
55. Mr B Lalthlengliana
Minister for Fisheries
Government of Mizoram
Aizwal (Mizoram) 796 001

Nagaland

56. Mr Neiphiu Rio
Chief Minister and holding charge of Horticulture and Fisheries
Government of Nagaland
Kohima (Nagaland) 797 001
57. Mr Kuzholuzo
Minister for Agriculture
Government of Nagaland
Kohima (Nagaland) 797 001
58. Mr Thenucho
Minister for Animal Husbandry
Government of Nagaland
Kohima (Nagaland) 797 001

Orissa

59. Mr Surinder Nath Naik
Minister for Agriculture and Horticulture
Government of Orissa
Bhubaneswar (Orissa) 751 001
60. Ms Golak Bihari Naik
Minister for Animal Resources Development, Fisheries, Textiles
and Handlooms
Government of Orissa
Bhubaneswar (Orissa) 751 001

Pondicherry

61. Mr A Namassivayam
Minister for Agriculture, Horticulture, Animal
Husbandry and Fisheries
Government of Pondicherry
Pondicherry 605 001

Punjab

62. Capt. Amarinder Singh
Chief Minister and holding charge of Agriculture
Government of Punjab
Chandigarh (Punjab) 160 001
63. Mr Jagmohan Singh Kang
Minister of Animal Husbandry, Fisheries
and Dairy Development
Government of Punjab
Chandigarh (Punjab) 160 001
64. Mr Jasjit Singh Randhawa
Minister of Horticulture
Government of Punjab
Chandigarh (Punjab) 160 001

Rajasthan

65. Mr Prabhu Lal Saini
Minister of State for Agriculture, Animal Husbandry and
Horticulture
Government of Rajasthan
Jaipur (Rajasthan) 302 005

Sikkim

66. Mr Somnath Poudyal
Minister for Agriculture, Horticulture, Irrigation and
Flood Control
Government of Sikkim
Secretariat, Gangtok (Sikkim) 737 101
67. Ms Kalawati Subba
Minister for Animal Husbandry, Livestock and Fisheries
Government of Sikkim
Secretariat, Gangtok (Sikkim) 737 001

Tamil Nadu

68. Mr K Bandurangan
Minister for Agriculture
Government of Tamil Nadu
Chennai, (Tamil Nadu) 600 009
69. Mr M Radhakrishnan
Minister for Fisheries
Government of Tamil Nadu
Chennai (Tamil Nadu) 600 009
70. Mr P V Damodharam
Minister for Animal Husbandry
Government of Tamil Nadu
Chennai (Tamil Nadu) 600 009

Tripura

71. Mr Tapan Chakravorty
Minister for Agriculture, Animal Husbandry and Horticulture
Civil Secretariat, Government of Tripura
Agartala (Tripura) 799 001
72. Mr Khagentra Jamatia
Minister for Fisheries
Government of Tripura
Agartala (Tripura) 799 001

Uttaranchal

73. Mr Mahinder Singh Mahra
Minister for Agriculture
Government of Uttaranchal
Dehradun (Uttaranchal)
74. Mr Govind Singh Kunjwal
Minister for Horticulture
Government of Uttaranchal
Dehradun (Uttaranchal)
75. Mr Mantri Prasad Naithani
Minister for Co-operative, Fisheries, Milk,
Animal Husbandry
Government of Uttaranchal
Dehradun (Uttaranchal)
- (vii) Six members of Parliament (Four elected by Lok Sabha and two elected by Rajya Sabha)
85. Shri Harish Rawat
Member of Parliament (RS)
Village Mohanari
P.O. Chaunalia
Tehsil Bhikaiaasen
Distt. Almora, Uttaranchal and
12-A, Canning Lane
New Delhi 110 001
86. Shri S.S. Ahluwalia
Member of Parliament (RS)
Boring Canal Road
Ward No. 4, P.S. Krishna Puri
P.O. G.P.O Patna and
10, Gurudwara Rakab Ganj Road
New Delhi 110 001

Uttar Pradesh

76. Mr Shiv Pal Singh
Minister for Agriculture
Government of Uttar Pradesh
Lucknow (Uttar Pradesh) 226 001
77. Dr Virendra Singh
Minister for Animal Husbandry
Government of Uttar Pradesh
Lucknow (Uttar Pradesh) 226 001
78. Mr Raj Kishore Singh
Minister for Horticulture
Government of Uttar Pradesh
Lucknow (Uttar Pradesh) 226 001
79. Mr Shankh Lal Manji
Minister of Fisheries
Government of Uttar Pradesh
Lucknow (Uttar Pradesh) 226 001
87. Shri Dinsha Patel
Member of Parliament (LS)
17/B, Amra Kunj Society
V.K.V. Road, Nadiad
Distt. Kaira, Gujarat and
11-A, Pandit Pant Marg
New Delhi 110 001
88. Shri Mahdevrao Shivankar
Member of Parliament (LS)
Amgaon, Distt. Gundia
Maharashtra and
B-603, MS Flats, BKS Marg
New Delhi
89. Shri Manvendra Singh
Member of Parliament (LS)
Amagarh House, Dampier Nagar
Mathura (Uttar Pradesh) and
20, Willingdon Cresnet, New Delhi
90. Shri Mahboob Zahedi
Member of Parliament (LS)
At Gushkara, Distt. Burdwan
West Bengal and
80, North Avenue
New Delhi 110 001

West Bengal

80. Mr Kamal Guha
Minister for Agriculture
Government of West Bengal Writers' Building
Kolkata (West Bengal) 700 001
81. Mr Anisur Rahman
Minister for Animal Resources Development
Government of West Bengal
Kolkata, (West Bengal) 700 001
82. Mr Kironmoy Nanda
Minister for Fisheries & Aquatic Resources
and Fishing Harbours
Government of West Bengal
Kolkata (West Bengal) 700 001
83. Mr Sailen Sarkar
Minister for Horticulture and
Food Processing Industries
Government of West Bengal
Writers Building
Kolkata (West Bengal) 700 001
- (vi) Member of Planning Commission, Incharge of
Agriculture
84. Mr Abhijit Sen
Member (Agriculture), Planning Commission
Yojana Bhavan
New Delhi
- (viii) Director-General, ICAR
91. Dr Mangala Rai
Director-General, ICAR
Krishi Bhavan, New Delhi 110 001
- (ix) All Secretaries in the Ministry of Agriculture
92. Ms Radha Singh
Secretary (Agriculture and Co-operation)
Ministry of Agriculture, Department of Agriculture,
Krishi Bhavan, New Delhi 110 001
93. Mr P M A Hakeem
Secretary (Animal Husbandry and Dairying)
Krishi Bhavan,
New Delhi 110 001
- (x) Secretary, Planning Commission
94. Mr R R Shah
Secretary, Planning Commission
Yojana Bhavan, New Delhi 110 001
- (xi) Chairman, University Grants Commission
95. Dr A Nigavekar
Chairman, University Grants Commission
Bahadur Shah Zafar Marg, New Delhi

- (xii) *Chairman, Atomic Energy Commission (or Director, Bhabha Atomic Research Centre, if nominated by the Chairman, Atomic Energy Commission)*
96. Mr Anil Khakodkar
Chairman
Atomic Energy Commission and
Secretary to the Government of India
Department of Atomic Energy
Anushakti Bhavan, Chhatrapati Shivaji
Maharaj Marg
Mumbai 400 039
- (xiii) *Member, Finance (Secretary/Additional Secretary in the Ministry of Finance), Government of India, Alternate Member—Financial Adviser (DARE/ICAR)*
97. Mr Anurag Goel
Additional Secretary to the Government of India
Ministry of Finance, Department of Expenditure
New Delhi 110 001
- (xiv) *Four Vice-Chancellors of the Agricultural Universities nominated by the President*
98. Vacant
99. Dr P K Singh 17.09.2006
Vice-Chancellor
Chandra Shekar Azad University of
Agriculture and Technology
Kanpur (Uttar Pradesh) 208 002
100. Vacant
101. Dr S S Magar 17.09.2006
Vice-Chancellor
Dr Balasaheb Sawant Konkan
Krishi Vidyapeeth, Distt. Ratnagiri
Dapoli (Maharashtra) 415 712
- (xv) *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*
102. Agricultural Commissioner Ex-officio
Department of Agriculture and Co-operation
Krishi Bhavan,
New Delhi 110 001
103. Dr M L Choudhary
Horticultural Commissioner, Department of
Agriculture,
Krishi Bhavan, New Delhi 110 001
104. Ms Nita Choudhary
Joint Secretary and Animal Husbandry
Commissioner
Department of Agriculture, Krishi Bhawan,
New Delhi
105. Mr M K R Nair Ex-officio
Fisheries Development Commissioner
Department of Agriculture, Krishi Bhavan
New Delhi 110 001
106. Mr N K Joshi Ex-officio
Inspector-General of Forests, Government of India
Department of Environment and Forests
CGO Complex, Lodi Road, New Delhi 110 003
- (xvi) *Fifteen scientists from within and outside the Council, including one from the Indian Council of Medical Research nominated by the President*
107. Dr Shiv Raj Singh 25.09.2006
15, Bhagirathi Colony
Sundarpur
Varanasi 221 005
108. Dr Y L Nene 25.09.2006
Ex. DDG, ICRISAT
47, ICRISAT Colony - 1
Brig. Sayeed Road
Secunderabad 500 009
109. Padmashri Dr J S P Yadav 25.09.2006
Ex-Chairman, ASRB
B-14, Indian Agricultural Research
Institute (IARI) Campus
New Delhi 110 012
110. Dr N Panda 25.09.2006
Ex. Dean
Department of Soil Science
Plot 62/63, PO Baramunda
Orissa University of Agriculture & Technology
Bhubaneswar 751 003
111. Dr N N Goswami 25.09.2006
Ex. Vice-Chancellor., CSUAT, Kanpur
Specialization: Social Science
JD-2OD, Pitampura
Delhi 110 088
112. Dr S N Dwivedi 25.09.2006
Ex. Director, CIFE, Bombay
Specialization: Fisheries & Environment
E-1/106, Arera Colony
Bhopal 462 016
Madhya Pradesh
113. Dr M Y Kamal 25.09.2006
Ex-Vice-Chancellor
SKUAST
Shahjahanabad Society
602/2, Plot 1, Sector 1
Dwarka, New Delhi 110 075
114. Dr K Pradhan 25.09.2006
Ex Vice-Chancellor
RAU, Bikaner
H-101, Somvihar
New Delhi 110 022
115. Dr B S Pathak 25.09.2006
Director
SPRERI, PB No. 2
Vallabh Vidyanagr 388 120
116. Prof M M Mehta 25.09.2006
Ex Vice-President
M/s Escort Tractors
Consultant, 1179, Sector 15
Faridabad (Haryana)
117. Mr J N L Srivastava 25.09.2006
Former Secretary (A&C)
25, NRI Colony, Greater Kailash, Part IV
New Delhi 110 019
118. Mr Sudhir Bhargava 25.09.2006
Director
Agroman System Pvt. Ltd.
25/2, Tardeo Ac Market, Mumbai 400 034

119.	Prof S K Jha Agril. Economics Department Rajendra Agricultural University Pusa, Samastipur 848 125	25.09.2006	131.	Mr Shakuntala Bapusaheb Shirgaonker PO Ankalkhop, Tal. Palus, Distt. Sangli Maharashtra 416 316	08.10.2006
120.	Prof N S L Srivastava Joint Director SPRERI, Villabh Vidyanagar (Gujarat) 388 120	25.09.2006	132.	Mr Loloark Singh Village Dhaurhara Post Khulwa Tehsil Sadar Distt. Mirzapur (Uttar Pradesh)	18.02.2007
Representative of the ICMR					
121.	Dr Rakesh Mittal Deputy Director-General Division of Reproductive Health & Nutrition Indian Council of Medical Research Ansari Nagar, PB 4911 New Delhi 110 029	17.9.2006	Representatives of Rural Interest		
(xvii)	<i>Three representatives of Commerce and Industry, nominated by the President</i>				
122.	Shri Dilip Kumar Jaiswal MGM Medical College Kishanganj Bihar	18.01.2007	133.	Dr S A Khanwilkar Nandashree Apartment A/3, Block No.1 Near Hotel Vrindavan Tal Dapoli District Ratnagiri Dapoli (Maharashtra) 415 712	08.10.2006
123.	Shri Vivek Saraogi Managing Director Balrampur Chini Mills Ltd 'FMC Fortuna' 2nd Floor 234/3A, AJC Bose Road Kolkata, West Bengal 700 020	18.01.2007	134.	Mr Gautam Murarka B-104, Gulmohar Park New Delhi 110 049 and 511 Maker Chamber 221, Nariman Point Mumbai 400 021	15.02.2006
124.	Dr Mahesh Sharma Chairman and Managing Director Kailash Hospitals & Res. Centre Ltd. H-33, Sector 27, NOIDA Uttar Pradesh	18.01.2007	135.	Mr Ramesh Dattambhat Vaidya Director Raichur Distt. Coop. Bank Ltd. Post Hitnal, Tal & Distt. Koppal (Karnataka) 583 234	08.10.2006
(xviii)	<i>One farmer from each region mentioned in Rule 60(a) and four representatives of rural interest nominated by the President</i>				
125.	Shri Surya Deo Tyagi Tarni Moholla Sardhana Distt., Meerut (Uttar Pradesh)	08.10.2006	136.	Mr Vijay Kumar Singh Vijay Lodge Chandra Nagar P.O. Koshi college Khagaria (Bihar) 851 203	18.02.2007
126.	Dr Yogiraj B Patil 'Annapurna', Opp. Shivalaya Koppadakeri, Dharwad 580 008	08.10.2006	(xix)	<i>Four Directors of the ICAR Research Institutes, nominated by the President</i>	
127.	Mr Subhash Bhatia R- 65A, Shakti Nagar Gupteshwar, Jabalpur (Madhya Pradesh)	08.10.2006	137.	Director Indian Agricultural Research Institute New Delhi 110 012	07.10.2006
128.	Mr Ajit Singh Kiran Ajay Bagh, Ajhota Post Laved Dist. Meerut (Uttar Pradesh)	08.10.2006	138.	Dr S K Dwivedi Director National Research Centre on Equines Sirsa Road, Hisar (Haryana) 125 001	07.10.2006
129.	Mr Asha Ram Yadav Ex-M.L.A. Narghat Mirzapur (Uttar Pradesh) 231 001 and B-1/3, Gulab Bagh Sigra, Varanasi 221 002 (Uttar Pradesh)	08.10.2006	139.	Dr A V Parthasarathy Director Indian Institute of Spices Research P B No. 1701 Marikunnu P O, Calicut (Kerala) 673 012	07.10.2006
130.	Mr D S Ananth Planter Sri Satya Sai Estate Mahadevapet, Madikeri Distt. Coorg (Karnataka) 571 201 and 697/A, First Block, 3rd Stage, Basaveswara Nagar Bangalore (Karnataka) 560 074	08.10.2006	140.	Dr S Sreenivasan Director Central Institute for Research on Cotton Technology PB No. 16640, Adenwala Road, Matunga Mumbai (Maharashtra) 400 019	07.10.2006
			(xx)	<i>Secretary, Indian Council of Agricultural Research</i>	
			141.	Ms Sushama Nath Member-Secretary Indian Council of Agricultural Research Krishi Bhawan, New Delhi 110 001	

APPENDIX 2

GOVERNING BODY

Chairman

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

Ex-officio Members

Member-Finance

Alternate Member-Financial Adviser (DARE/ICAR)

2. Mr Anurag Goel
Additional Secretary to the Government of India
Ministry of Finance, Department of Expenditure
New Delhi 110 001

Secretary, Planning Commission

3. Mr R R Shah
Secretary
Planning Commission
Yojna Bhavan, New Delhi 110 001

Secretary, Agriculture

4. Ms Radha Singh
Secretary (Agriculture and Coop),
Government of India
Ministry of Agriculture, Department of
Agriculture, Krishi Bhavan, New Delhi 110 001

Chairman, University Grants Commission

5. Dr A Nigavekar
Chairman
University Grants Commission
Bahadur Shah Zafar Marg, New Delhi

Secretary, Animal Husbandry and Dairying

6. Mr P M A Hakeem
Secretary
Department of Animal Husbandry and Dairying
Krishi Bhavan, New Delhi 110 001

Members

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

Management Expert

Up to

7. Mr J N L Srivastava
Former Secretary (A&C)
25, NRI Colony, Greater Kailash Part IV
New Delhi 110 019

Scientists

8. Dr Y L Nene
Ex. DDG, ICRISAT
47, ICRISAT Colony - I, Brig. Sayeed Road
Secunderabad 500 009
9. Dr Shiv Raj Singh
Professor and Chief Scientist
Institute of Agricultural Sciences
BHU, Varanasi 221 005 and
15, Bhagirathi Colony
Sundarpur, Varanasi 221 005

10. Shri Sudhir Bhargava
Director
Agroman System Pvt. Ltd.
25/2, Tardeo Ac Market
Mumbai 400 034

Three Vice-Chancellors (nominated by President)

11. Dr R B Deshmukh
Vice-Chancellor
Mahatma Phule Krishi Vidyapeeth
Ahmednagar
Rahuri (Maharashtra) 413 722
12. Dr P K Singh
Vice-Chancellor
Chandra Shekhar Azad University
of Agriculture & Technology
Kanpur 208 002
Uttar Pradesh
13. Dr S S Baghel
Vice-Chancellor
Assam Agricultural University
Jorhat 785 013
Assam

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

14. Mr Dinsha Patel
Member of Parliament (Lok Sabha)
17/B, Amra Kunj Society
VKV Road, Nadiad
Distt. Kaira, Nadiad 387 001
Gujarat and
11-A, Pandit Pant Marg
New Delhi 110 001
15. Mr Mahboob Zahedi
Member of Parliament (Lok Sabha)
Gushkara, Distt. Burdawan
West Bengal and
80, North Avenue
New Delhi 110 001
16. Mr S S Ahluwalia
Member of Parliament (Rajya Sabha)
Boring Canal Road
Ward No. 4, P.S. Shri Krishna Puri
P.O., GPO Patna and
10, Gurudwara Rakab Ganj Road
New Delhi 110 001

Three Farmers/Representatives of rural areas nominated by President

17. Mr S A Khanwilkar
Nandashree Apartment
A/3, Block No.1, Near Hotel Vrindavan
Tal Dapoli, District Ratnagiri
Dapoli (Maharashtra) 415 712
18. Mr Gautam Murarka
B-104, Gulmohar Park
New Delhi 110 049 and
511 Maker Chambers
221, Nariman Point, Mumbai 400 021

19. Mr Surya Dev Tyagi
Tarni Mohalla
Sardhana, District Meerut, Uttar Pradesh

08.10.2006

**Three Directors of Research Institutes of the Council
nominated by the President**

20. Director
Indian Agricultural Research Institute
Pusa, New Delhi 110 012

07.10.2006

21. Dr S K Dwivedi
Director
National Research Centre on Equines
Sirsa Road, Hisar (Haryana) 125 001

07.10.2006

22. Dr V A Parthasarthy
Director
Indian Institute of Spices Research
P B No. 1701, Marikunnu P.O.
Calicut (Kerala) 673 012

07.10.2006

Member-Secretary

22. Ms Sushama Nath
Additional Secretary (DARE) and Secretary,
Indian Council of Agricultural Research
Krishi Bhawan
New Delhi 110 001

APPENDIX 3

STANDING FINANCE COMMITTEE

**Chairman,
Director-General**

1. Dr Mangala Rai
Director-General
Indian Council of Agricultural Research,
Krishi Bhavan, New Delhi

**Ex-officio Members
Member-Finance**

2. Mr Anurag Goel
Additional Secretary to the
Govt. of India
Ministry of Finance
Department of Expenditure, New Delhi
- Ex-officio

**Secretary,
Agriculture**

3. Ms Radha Singh
Secretary (Agriculture & Coop.)
Govt. of India
Ministry of Agriculture
Department of Agriculture
Krishi Bhawan, New Delhi
- Ex-officio

Seven members of the Governing Body of the ICAR Society (viz. one Management Expert, two Scientists, one Vice-Chancellor, one Director, one Farmer & one Member of Parliament elected by the Governing Body in its 192nd (15.7.2003) and 193rd (24.12.2003) to the Standing Finance Committee for a fresh period of one year

SCIENTISTS

4. Mr Sudhir Bhargava
Director, Agroman Systems Pvt. Ltd
25/2, Tardeo Ac Market
Tardeo, Mumbai 440 034
 5. Dr Shiv Raj Singh
Professor and Chief Scientist
Institute of Agricultural Sciences
BHU, Varanasi 221 005 and
15, Bhagirathi Colony
Sundarpur, Varanasi 221 005
- 23.12.2004
23.12.2004

DIRECTOR

6. Dr V A Parthasarathy
Indian Institute of Spices Research
Marikunnu, Calicut, Kerala 673 012
- 02.03.2006

FARMER

7. Mr Surya Deo Tyagi
Tarni Mohalla
Sardhana, Distt. Meerut
Uttar Pardesh
- 02.03.2006

MEMBER OF PARLIAMENT

8. Mr Mahboob Zahedi
Member of Parliament (LS)
Gushkara, Distt. Burdwan
West Bengal and
80, North Avenue
New Delhi 110 001

MANAGEMENT EXPERT

9. Mr J N L Srivastava
Former Secretary (A&C)
25, NRI Colony, Mandakini, Greater Kailash, Part IV
New Delhi 110 019

VICE-CHANCELLOR

10. Vacant

SPECIAL INVITEES

11. Dr Rita Sharma
Financial Adviser (ICAR & DARE)
Krishi Bhavan, New Delhi 110 001
12. Mr Shailender Aggarwal
Director (Agri) Room No. 276
Dept. of Commerce
Ministry of Commerce & Industry
Udyog Bhavan, New Delhi 110 001
13. Dr R C Maheshwari
Asstt. Director-General (TC)
ICAR, Krishi Bhavan, New Delhi 110 001

MEMBER - SECRETARY

14. Ms Sushama Nath
Additional Secretary (DARE) & Secretary
Indian Council of Agricultural Research
Krishi Bhavan, New Delhi 110 001

APPENDIX 4

SENIOR OFFICERS AT THE HEADQUARTERS OF THE ICAR

1. Dr Mangala Rai

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

2. Ms Sushama Nath

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

Deputy Directors-General

1. Dr Puranjan Das (Agricultural Extension)
2. Dr V K Taneja (Animal Sciences)
3. Dr J S Samra (Natural Resource Management)
4. Dr G Kalloo (Horticulture and Crop Sciences)
5. Dr S Ayyappan (Fisheries)
6. Dr Nawab Ali (Agricultural Engineering)

Assistant Directors-General

Crop Sciences

1. Dr K C Jain (Commercial Crops)
2. Dr S N Shukla (Food and Fodder Crops)
3. Dr T P Rajendran (Plant Protection)

Horticulture

1. Dr S N Pandey (H&VC)
2. Dr K V Ramana (Plantation Crops)

Natural Resource Management

1. Dr P D Sharma (Soils)

Engineering

1. Dr P Chandra (Process Engineering)

Animal Sciences

1. Dr Lal Krishna (Animal Health)
2. Dr (Ms) P P Bhat (Animal Genetics)
3. Dr O P Dhanda (ANP)

Fisheries

1. Dr A D Diwan (Marine Fisheries)

Education

1. Dr G C Tiwari (EPD)
2. Dr H S Nainawatee (HRD II)
3. Dr B S Bisht (HRD I)

Extension

1. Dr Rajinder Parshad (Agril. Extn.)
2. Dr Ram Chand (KVK)

Others

1. Dr R C Maheshwari (Technical Co-ordination)
2. Dr J P Mishra (CSC)
3. Dr K S Khokhar (PIM)

Principal Scientists

Crop Science

1. Dr A K Sharma (Food Crops)
2. Dr C P Singh (Seeds)
3. Dr S Maurya [Commercial Crops; Addl. Charge ADG (IPR&P)]
4. Dr (Ms) P Kaur (Plant Protection)
5. Dr O P Dubey [Plant Protection; Addl. Charge ADG (O&P)]
6. Dr S Kochhar (Intellectual Property Rights)

Horticulture

1. Dr U C Srivastava

Natural Resource Management

1. Dr D K Paul (IWM)
2. Dr O P Sharma (AF)

Education

1. Dr G D Diwakar (Accreditation)

Fisheries

1. Dr Anil Aggarwal (Marine Fisheries)
2. Dr V R Chitranshi (Fisheries)

ARIS Unit

1. Dr A K Jain
2. Dr D K Aggarwal

Extension

1. Dr G Appa Rao
2. Dr A M Narula
3. Dr (Ms) Tej Verma

Engineering

1. Dr S K Tandon

Others

1. Dr A K Bawa (DG Section)
2. Dr V S Upadhyaya
3. Dr D B S Sehra (ES&M)
4. Dr R K Mittal (Tech. Cdn.)

National Agricultural Technology Project

1. Dr Mruthyunjaya, National Director; Addl. Charge DDG (Edn.)
2. Dr J P Mittal, National Coordinator
3. Dr K P Agarwal, National Coordinator
4. Dr D P Singh, National Coordinator
5. Dr A Bandhopadhyay, National Coordinator

Administration

Directors

1. Mr K K Bajpai, Director (P)
2. Mr H C Pathak, Director (F)
3. Mr H C Joshi, Director (OL)
4. Mr V P Kothiyal, Director (Works)

Deputy Secretaries

1. Mr Sanjay Gupta
2. Mr H L Meena
3. Mr Sodhi Singh
4. Mr J Ravi
5. Mr B N Rao

Others

1. Mr Prakash Magdum, Chief Publicity and
Public Relations Officer

Agricultural Scientists' Recruitment Board

1. Dr C D Mayee, Chairman
2. Dr N K Tyagi, Member
3. Mr Sanjay Kant, Secretary
4. Mr Vikram Singh, Controller of Examination

Directorate of Information and Publications of Agriculture (DIPA)

1. Mr Kuldeep Sharma, Incharge
2. Mr V K Bharti, Chief Production Officer
3. Mr S K Joshi, Business Manager
4. Mr Han Raj, Information System Officer
5. Dr R P Sharma, Editor (English) and Unit Incharge
6. Mr B C Mazumder, Incharge (Art Unit)

APPENDIX 5

ICAR INSTITUTES AND THEIR DIRECTORS

National Institutes

1. Dr A K Singh (Acting)
Indian Agricultural Research Institute
New Delhi 110 012
2. Dr M P Yadav
Indian Veterinary Research Institute
Izatnagar (Uttar Pradesh) 243 122
3. Dr Sushil Kumar
National Dairy Research Institute
Karnal (Haryana) 132 001
4. Dr Dilip Kumar
Central Institute of Fisheries Education
Jaiprakash Road, Seven Bungalow (Versova)
Mumbai (Maharashtra) 400 061

Agricultural Sciences

5. Dr R C Upadhyay
Central Agricultural Research Institute
Andaman and Nicobar Group of Islands
P B 181 Port Blair
(Andamans & Nicobar Islands) 744 101
6. Dr Pratap Narain
Central Arid Zone Research Institute
Jodhpur (Rajasthan) 342 003
7. Dr S D Kulkarni (Acting)
Central Institute of Agricultural Engineering
Berasia Road, Nabi Bagh,
Bhopal (Madhya Pradesh) 462 038
8. Dr D G Dhandar
Central Institute of Arid Horticulture
Bikaner (Rajasthan) 334 006
9. Dr B M Khadi
Central Institute for Cotton Research
ICAR Housing Complex, Central Bazar Road
Bajaj Nagar, Nagpur (Maharashtra) 440 010
10. Dr O D Wanjari (Acting)
Central Institute of Post-Harvest Engineering and
Technology, Ludhiana (Punjab) 141 004
11. Dr S Sreenivasan
Central Institute for Research on Cotton Technology
PB 16640, Adenwala Road, Matunga
Mumbai (Maharashtra) 400 019
12. Dr B M C Reddy
Central Institute for Sub-tropical Horticulture
Rehmankhhera, PO Kakori
Lucknow (Uttar Pradesh) 227 107
13. Dr A A Sofi
Central Institute of Temperate Horticulture
Old Air Field
Rangreth (Jammu and Kashmir) 190 007
14. Dr V Rajagopal
Central Plantation Crops Research Institute
Kasaragod (Kerala) 671 124
15. Dr S K Pandey
Central Potato Research Institute
Shimla (Himachal Pradesh) 171 001
16. Dr Y S Ramakrishna
Central Research Institute for Dryland Agriculture
Santoshnagar, P O Saidabad
Hyderabad (Andhra Pradesh) 500 059
17. Dr H S Sen
Central Research Institute for Jute and Allied Fibres
Barrackpore, Distt 24 Paraganas
(West Bengal) 700 120
18. Dr S G Sharma (Acting)
Central Rice Research Institute
Cuttack (Orissa) 753 006
19. Dr Gurbachan Singh
Central Soil Salinity Research Institute
Zarifa Farm, Kachwa Road, Karnal (Haryana) 132 001
20. Dr V N Sharda
Central Soil and Water Conservation Research and
Training Institute, 218 Kaulagarh Road
Dehradun (Uttaranchal) 248 195
21. Dr V Krishnamurthy (Acting)
Central Tobacco Research Institute
Rajahmundry (Andhra Pradesh) 533 105
22. Dr S Edison
Central Tuber Crops Research Institute, PB 3502
Sreekariyam, Thiruvananthapuram (Kerala) 695 017
23. Dr V S Korikanthimath
ICAR Research Complex for Goa,
Ela, Old Goa (Goa) 403 402
24. Dr A K Sikka
ICAR Research Complex for Eastern Region
Walmi Complex, Phulwari Sharif
Patna (Bihar) 801 505
25. Dr K M Bujarbaruah
ICAR Research Complex for North-Eastern Hills Region
Umroi Road, Barapani (Meghalaya) 793 103
26. Dr S D Sharma
Indian Agricultural Statistics Research Institute
Library Avenue, Pusa Campus, New Delhi 110 012
27. Dr K A Singh
Indian Grassland and Fodder Research Institute
Pahuj Dam, Gwalior-Jhansi Road
Jhansi (Uttar Pradesh) 284 003
28. Dr S D Shikhamany
Indian Institute of Horticultural Research
P.O. Hassaraghatta Lake
Bangalore (Karnataka) 560 089
29. Dr Masood Ali
Indian Institute of Pulses Research
Kanpur (Uttar Pradesh) 208 024
30. Dr A Subba Rao
Indian Institute of Soil Science
Nabi Bagh, Bhopal (Madhya Pradesh) 462 038
31. Dr V A Parthasarathy
Indian Institute of Spices Research
P B 1701, P O Marikunnu
Kozhikode (Kerala) 673 012

32. Dr R L Yadav
Indian Institute of Sugarcane Research
P O Dilkusha, Lucknow (Uttar Pradesh) 226 002
33. Dr Bangali Baboo
Indian Lac Research Institute
Namkum, Ranchi (Jharkhand) 834 010
34. Dr Mathura Rai
Indian Institute of Vegetable Research
P.B. 01, P.O. Jakhini
Shahanshapur, Varanasi (Uttar Pradesh) 221 305
35. Dr S K Bhattacharya
National Institute of Research on Jute and
Allied Fibre Technology
12 Reagent Park, Calcutta (West Bengal) 700 040
36. Dr N Vijayan Nair
Sugarcane Breeding Institute
Coimbatore (Tamil Nadu) 641 007
37. Dr H S Gupta
Vivekananda Parvatiya Krishi Anusandhan Sansthan
Almora (Uttar Pradesh) 263 601

Animal Sciences and Fisheries

38. Dr Rajvir Singh
Central Avian Research Institute
Izatnagar (Uttar Pradesh) 243 122
39. Dr K K Vass
Central Inland Fisheries Research Institute
Barrackpore (West Bengal) 700 120
40. Dr P Ravichandran (Acting)
Central Institute of Brackishwater Aquaculture
75 Santhome High Road
R A Puram, Chennai (Tamil Nadu) 600 028

41. Dr K Devadasan
Central Institute of Fisheries Technology
Willingdon Island, P O Matsyapuri
Cochin (Kerala) 682 029
42. Dr N Sarangi
Central Institute of Freshwater Aquaculture
Kausalyaganga, Bhubaneshwar (Orissa) 751 002
43. Dr B S Punia
Central Institute for Research on Buffaloes
Sirs Road, Hisar (Haryana) 125 001
44. Dr N P Singh
Central Institute for Research on Goats
Makhdoom, Mathura, (Uttar Pradesh) 281 122
45. Dr M J Modayil
Central Marine Fisheries Research Institute
P B 1603, Tatapuram, Kochi (Kerala) 682 018
46. Dr V K Singh
Central Sheep and Wool Research Institute
Avikanagar, District Tonk
Via Jaipur (Rajasthan) 304 501
47. Dr K T Sampath
National Institute of Animal Nutrition and Physiology
Adugodi, Bangalore (Karnataka) 560 030

Other

48. Dr S P Tiwari
National Academy of Agricultural Research and
Management, Rajendranagar
(Andhra Pradesh) 500 030

APPENDIX 6

NATIONAL BUREAUX AND THEIR DIRECTORS

Agricultural Sciences

1. Dr A K Singh (Acting)
National Bureau of Plant Genetic Resources
FCI Building, Pusa, New Delhi 110 012
2. Dr K S Gajbhiye
National Bureau of Soil Survey and Land Use Planning
P B 426, Shankar Nagar, Amravati Road
Nagpur (Maharashtra) 440 010

Animal Sciences

3. Dr S P S Ahlawat
National Bureau of Animal Genetic Resources
PB 129, Karnal (Haryana) 132 001

4. Dr W S Lakra
National Bureau of Fish Genetic Resources
Radhaswami Bhavan, 351/28,
Dariya Pur, Talkatora Road
PO Dilkusha
Lucknow (Uttar Pradesh) 226 002
5. Prof D K Arora
National Bureau of Agriculturally Important Micro-organisms
PB No. 6, Kusmaur
Mau Nath Bhanjan
Uttar Pradesh 275 101

APPENDIX 7

PROJECT DIRECTORATES AND THEIR DIRECTORS

Agricultural Sciences

1. Dr S K Sharma
Directorate of Cropping Systems Research
Modipuram,
Meerut (Uttar Pradesh) 250 110
2. Dr D M Hegde
Directorate of Oilseeds Research
Hyderabad (Andhra Pradesh) 500 030
3. Dr S V Subbaiah (Acting)
Directorate of Rice Research
Hyderabad (Andhra Pradesh) 500 030
4. Dr B Mishra
Directorate of Wheat Research
P B 158, Kunjpura Road,
Karnal (Haryana) 132 001
5. Dr R J Rabindra
Project Directorate of Biological Control
Bellary Road, P B 2491, HA Farm Post, Hebbal
Bangalore (Karnataka) 560 024
6. Dr R P Singh (Acting)
Project Directorate of Maize Research
Cummings Laboratory
Indian Agricultural Research Institute, Pusa
New Delhi 110 012
7. Dr S D Kulkarni
Project Directorate on Soybean
Processing and Utilization
CIAE Complex, T T Nagar,
Bhopal (Madhya Pradesh) 462 018

8. Dr A B Mondal
Project Director
Directorate of Seed Research
Kusmaur, Mau Nath Bhanjan (Uttar Pradesh) 275 101

Animal Sciences

9. Dr A K Mishra
Project Directorate on Cattle
Grass Farm Road, PB 17
Meerut (Uttar Pradesh) 250 001
10. Dr R P Sharma
Project Directorate on Poultry
Rajendranagar
Hyderabad (Andhra Pradesh) 500 030
11. Dr K Prabhudas (Acting)
Project Directorate on Animal Disease Monitoring
and Surveillance
Hebbal, Bangalore (Karnataka) 560 024
12. Dr T J Rasool
Project Directorate on Foot and Mouth Disease
IVRI Campus, Mukteshwar
Kumaon (Uttaranchal) 263 138

APPENDIX 8

NATIONAL RESEARCH CENTRES AND THEIR DIRECTORS

Agricultural Sciences

1. Dr S K Dhyani
National Research Centre for Agroforestry
IGFRI Campus, Pahuj Dam, Gwalior-Jhansi Road
Jhansi (Uttar Pradesh) 284 003
2. Dr S Sathiamoorthy
National Research Centre for Banana
Thogamalai Main Road, Thayanur Post
Tiruchirapalli (Tamil Nadu) 620 102
3. Dr M Gopalakrishna Bhat
National Research Centre for Cashew
Kamminje, Puttur (Karnataka) 574 202
4. Dr Shyam Singh
National Research Centre for Citrus
PB 464, P.O. Shankar Nagar, Nagpur (Maharashtra) 440 010
5. Dr P G Adsule
National Research Centre for Grapes
PB No. 3, Manjri Farm Post
Pune (Maharashtra) 412 307
6. Dr M S Basu
National Research Centre for Groundnut
Ivanagar Road, Timbawadi
PB 5, Junagadh (Gujarat) 362 001
7. Prof. Amerika Singh
National Research Centre for
Integrated Pest Management
Lal Bahadur Shastri Building
IARI, Hillside Road, Pusa
New Delhi 110 012
8. Dr K K Kumar (Acting)
National Research Centre for Litchi, Manchi House
Muzaffarpur (Bihar) 842 002
9. Dr Janardan Jee (Acting)
National Research Centre for Makhana
Patna (Bihar) 801 506
10. Dr Satyabrata Maiti
National Research Centre for Medicinal and
Aromatic Plants
Boriavi Seed Farm, Boriavi
Anand (Gujarat) 387 310
11. Dr R P Tewari
National Research Centre for Mushroom
Chambaghat, Solan (Himachal Pradesh) 173 213
12. Dr M Kochu Babu
National Research Centre for Oilpalm
Pedavegi (Andhra Pradesh) 534 450
13. Dr K E Lawande
National Research Centre for Onion and Garlic
Rajguru Nagar, Pune, (Maharashtra) 410 505
14. Dr V Nagaraju (Acting)
National Research Centre for Orchids
Pakyang (Sikkim) 737 106
15. Dr K R Kaundal
National Research Centre for Plant Biotechnology
Indian Agricultural Research Institute, Pusa,
New Delhi 110 012
16. Dr Arvind Kumar
National Research Centre for Rapeseed and Mustard
P B 41, Bharatpur (Rajasthan) 321 303
17. Dr B B Vashishtha (Acting)
National Research Centre for Seed Spices
Tabiji, Ajmer (Rajasthan) 305 206
18. Dr N Seetharama
National Research Centre for Sorghum
Rajendranagar, Hyderabad (Andhra Pradesh) 500 030
19. Dr G S Chauhan
National Research Centre for Soybean
Bhawerkua Farm, Khandwa Road,
Indore (Madhya Pradesh) 452 017
20. Dr Ashwani Kumar
National Research Centre of Water Technology for
Eastern Region,
Chandrasekharapur, Bhubaneswar (Orissa) 751 023
21. Dr A K Gogoi (Acting)
National Research Centre for Weed Science
Maharajpur, Adhartal, Jabalpur (Madhya Pradesh) 482 004
22. Dr A K Singh (Acting)
National Research Centre on DNA Fingerprinting
NBPGR, Pusa Campus
New Delhi 110 012
23. Dr K Kumar
National Research Centre on Pomegranate
C/o Centre on Rabi Sorghum
NH 9 Bye Pass
Shelgi, Solapur (Maharashtra) 413 007

Animal Sciences and Fisheries

24. Dr M S Sahani
National Research Centre on Camel
Jorbeer, PB 07, Bikaner (Rajasthan) 334 001
25. Dr P C Mahant
National Research Centre for Coldwater Fisheries
Saurabh Cottage, Thandi Sarak
Naintal (Uttaranchal) 263 136
26. Dr S K Dwivedi
National Research Centre for Equines
Sirsa Road, Hisar (Haryana) 125 001
27. Dr T R K Murthy
National Research Centre on Meat and
Meat Products
CRIDA Campus, Santoshnagar
Hyderabad (Andhra Pradesh) 500 059
28. Dr Chandan Rajkhowa
National Research Centre for Mithun
ICAR Research Complex
Jharnapani, Medziphema (Nagaland) 797 106
29. Dr K M Bujarbaruah (Acting)
National Research Centre for Pigs
Panjabari Road, 6th Mile
Guwahati (Assam) 785 037
30. Dr Mohan Bhattacharya
National Research Centre on Yak
West Kemeng, Dirang (Arunachal Pradesh) 790 101

General

31. Dr Ramesh Chand (Acting)
National Centre for Agricultural Economics and
Policy Research
Library Avenue, Pusa, New Delhi 110 012
32. Dr (Ms) Hema Pandey
National Research Centre for Women in Agriculture
1199, Jagamara
Bhubaneshwar (Orissa) 751 030

APPENDIX 9

A. ALL-INDIA CO-ORDINATED RESEARCH PROJECTS AND THEIR PROJECT CO-ORDINATORS

Crop Sciences

1. Dr S P Mishra
Project Co-ordinator (Chickpea)
Indian Institute of Pulses Research
Kalyanpur, Kanpur (Uttar Pradesh) 208 024
2. Project Co-ordinator (Cotton)
CICR Research Station, PO Lawley Road, Coimbatore
(Tamil Nadu) 641 003
3. Dr S A Faruqui
Project Co-ordinator (Forage Crops)
Indian Grassland and Fodder Research Institute
PO Pahuj Dam, Jhansi-Gwalior Road
Jhansi (Uttar Pradesh) 284 003
4. Dr R K Lakra
Project Co-ordinator (Honeybees)
Division of Entomology
CCS Haryana Agricultural University
Hisar (Haryana) 125 004
5. Dr R L Srivastava
Project Co-ordinator (Linseed)
CSA University of Agriculture and Technology
Kanpur (Uttar Pradesh) 208 002
6. Dr K T Krishne Gowda
Project Co-ordinator (Small Millets)
University of Agricultural Sciences
GKVK Campus, Bangalore (Karnataka) 560 065
7. Dr B B Singh
Project Co-ordinator (MULLARP)
Indian Institute of Pulses Research
Kalyanpur, Kanpur (Uttar Pradesh) 208 024
8. Dr R K Jain
Project Co-ordinator (Nematodes)
Division of Nematology
Indian Agricultural Research Institute, Pusa
New Delhi 110 012
9. Dr I S Khairwal
Project Co-ordinator (Pearl Millet)
Agricultural Research Station, RAU, Mandore
Jodhpur (Rajasthan) 342 304
10. Dr N D Majumdar
Project Co-ordinator (Pigeonpea)
Indian Institute of Pulses Research
Kalyanpur, Kanpur (Uttar Pradesh) 208 024
11. Dr S S Duhoon
Project Co-ordinator (Sesame and Niger)
JNKV, Jabalpur (Madhya Pradesh) 482 004
12. Dr O K Sinha
Project Co-ordinator (Sugarcane)
Indian Institute of Sugarcane Research
Lucknow (Uttar Pradesh) 226 002

Horticulture

13. Project Co-ordinator (Floriculture)
Division of Floriculture and Landscaping
Indian Agricultural Research Institute, Pusa
New Delhi 110 012
14. Dr S Arulraj
Project Co-ordinator (Palms)
Central Plantation Crops Research Institute
Kasaragod (Kerala) 671 124
15. Dr P S Naik
Project Co-ordinator (Potato)
Central Potato Research Institute
Shimla (Himachal Pradesh) 171 001
16. Dr Om Prakash
Project Co-ordinator (Subtropical Fruits)
Central Institute for Subtropical Horticulture
Rahmankhera, Lucknow (Uttar Pradesh) 227 107
17. Dr M Anandraj
Project Co-ordinator (Spices)
Indian Institute of Spices Research
PB 170, Marikunnu, Calicut (Kerala) 673 012
18. Dr M S Palaniswami
Project Co-ordinator (Tuber Crops), Regional Station
of the Central Tuber Crops Research Institute
Thiruvananthapuram (Kerala) 695 017

Natural Resource Management

19. Dr K P R Vittal
Project Co-ordinator (Dryland Agriculture)
CRIDA Campus, Santoshnagar
Hyderabad (Andhra Pradesh) 500 059
20. Dr Muneshwar Singh
Project Co-ordinator (Long-term Fertilizer Experiments)
Indian Institute of Soil Science
Bhopal (Madhya Pradesh) 462 038
21. Dr M V Singh
Project Co-ordinator (Micronutrients and
Secondary Nutrients and Pollutant Elements in Soils and Plants)
Indian Institute of Soil Science
Bhopal (Madhya Pradesh) 462 038
22. Dr Y Muralidharudu
Project Co-ordinator (Soil Test and Crop Response)
Indian Institute of Soil Science
Bhopal (Madhya Pradesh) 462 038
23. Dr P S Minhas
Project Co-ordinator (Management of Salt-affected
Soils and Saline Water in Agriculture)
Central Soil Salinity Research Institute
Karnal (Haryana) 132 001

24. Dr G G S N Rao
Project Co-ordinator (Agricultural Meteorology)
CRIDA Campus, Santoshnagar
Hyderabad (Andhra Pradesh) 500 059

Engineering and Technology

25. Dr M M Pandey
Project Co-ordinator (Farm Implements and Machinery)
Central Institute of Agricultural Engineering
Bhopal (Madhya Pradesh) 462 038
26. Dr L P Gite
Project Co-ordinator (Human Engineering and Safety in
Agriculture)
Central Institute of Agricultural Engineering
Bhopal (Madhya Pradesh) 462 038

27. Dr S K Nanda
Project Co-ordinator (Post-harvest Technology)
Central Institute of Post-harvest Technology
Ludhiana (Punjab) 141 004
28. Dr M Shyam
Project Co-ordinator (Renewable Sources of Energy for
Agriculture and Agro-based Industries)
Central Institute of Agricultural Engineering
Bhopal (Madhya Pradesh) 462 038
29. Dr S K Rautaray
Project Co-ordinator (Utilization of Animal Energy)
Central Institute of Agricultural Engineering
Bhopal (Madhya Pradesh) 462 038
30. Project Co-ordinator (Application of Plastics in Agriculture)
Central Institute of Post-harvest Technology
Ludhiana (Punjab) 141 004

B. OTHER ALL-INDIA CO-ORDINATED RESEARCH PROJECTS

Crop Sciences

31. Arid Legumes
Central Arid Zone Research Institute
Beehwal
Jodhpur (Rajasthan) 342 003
32. Wheat and Barley
Directorate of Wheat Research
Karnal (Haryana) 132 001
33. Groundnut
National Research Centre on Groundnut
Ivanagar Road, PB 5
Junagarh (Gujarat) 362 001
34. Jute and Allied Fibres
Central Research Institute for Jute and Allied Fibres
Barrackpore (West Bengal) 700 120
35. Maize
Directorate of Maize Research
IARI Campus, Pusa
New Delhi 110 012
36. Component of National Seed Project—Crops
Directorate of Seed Research
Kusmaur, Mau Nath Bhanjan (Uttar Pradesh) 275 101
37. Network on Pesticide Residues
Division of Agricultural Chemicals, LBS Building
Indian Agricultural Research Institute, Pusa
New Delhi 110 012
38. National Research Centre for Rapeseed-Mustard
Sewar Farm, Distt Bharatpur (Rajasthan) 321 303
39. Biological Control
Project Directorate of Biological Control
Hebbal, Bengaluru (Karnataka) 560 024
40. Sorghum
National Research Centre for Sorghum
Rajendranagar, Hyderabad (Andhra Pradesh) 500 030
41. Soybean
National Research Centre for Soybean
Khandwa Road, Indore (Madhya Pradesh) 452 017
42. Sunflower, Safflower, Castor
Directorate of Oilseeds Research
Rajendranagar, Hyderabad (Andhra Pradesh) 500 030
43. Under-utilized and Under-exploited Crops
National Bureau of Plant Genetic Resources
Pusa, New Delhi 110 012

44. Rice
Directorate of Rice Research
Rajendranagar, Hyderabad (Andhra Pradesh) 500 030

Horticulture

45. Arid Fruits
Central Institute of Arid Horticulture
Bikaner (Rajasthan) 334 006
46. Cashew
National Research Centre for Cashew
Puttur (Karnataka) 574 202
47. Mushrooms
National Centre for Mushroom Research and Training
Chambaghat
Solan (Himachal Pradesh) 173 213
48. Tropical Fruits
Indian Institute of Horticultural Research
Hessaraghatta Lake Post
Bangalore (Karnataka) 560 089
49. Vegetable
Indian Institute of Vegetables Research
Varanasi (Uttar Pradesh) 221 005

Natural Resource Management

50. Agroforestry
National Research Centre on Agroforestry
Gwalior-Jhansi Road
(Uttar Pradesh) 284 003
51. Biological Nitrogen Fixation—Network on Biofertilizers
Indian Institute of Soil Science
Bhopal (Madhya Pradesh) 462 038
52. Cropping Systems Research
Project Directorate on Cropping Systems Research, Modipuram
Meerut (Uttar Pradesh) 250 110
53. Water Management Research
Khurda
Bhubaneswar (Orissa) 751 023
54. Weed Control
National Research Centre for Weed Science
Adhartal, Jabalpur (Madhya Pradesh) 482 004
55. Optimization of Ground Water Utilization
Khurda
Bhubaneswar (Orissa) 751 023

56. Processing, Handling and Storage of Jaggery and Khandsari
Indian Institute of Sugarcane Research
Lucknow (Uttar Pradesh) 226 002

Animal Sciences

57. Goat Improvement
Central Institute for Research on Goats, Makhdoom
Mathura (Uttar Pradesh) 281 122
58. Pigs
Indian Veterinary Research Institute
Izatnagar (Uttar Pradesh) 243 122
59. Improvement of Feed Resources and Nutrient Utilization for
raising Animal Production
Indian Council of Agricultural Research
Krishi Bhavan, New Delhi 110 001

60. Cattle Research
Project Directorate on Cattle
Grass Farm Road, PB17
Meerut (Uttar Pradesh) 250 001
61. Poultry
Project Directorate on Poultry
Rajendranagar, Hyderabad (Andhra Pradesh) 500 030

Education

62. Home Science
Division of Education
ICAR, Krishi Anusandhan Bhavan II
Pusa, New Delhi 110 012

APPENDIX 10

AGRICULTURAL UNIVERSITIES AND THEIR VICE-CHANCELLORS

1. Dr S Raghuvardhan Reddy
Acharya N G Ranga Agricultural University
Rajendranagar, Hyderabad (Andhra Pradesh) 500 030
2. Dr M C Varashneya
Anand Agricultural University
Anand (Gujarat) 388 110
3. Dr S S Baghel
Assam Agricultural University, Jorhat
(Assam) 785 013
4. Dr Deepak Kumar Bagchi
Bidhan Chandra Krishi Vishwa Vidyalaya
Mohanpur, Nadia (West Bengal) 741 252
5. Dr N N Singh
Birsa Agricultural University
Ranchi (Jharkhand) 834 006
6. Dr M M Agrawal
Chandra Shekhar Azad University of Agriculture
and Technology,
Kanpur (Uttar Pradesh) 208 002
7. Dr J C Katyal
Chaudhary Charan Singh Haryana Agricultural
University, Hisar (Haryana) 125 004
8. Dr S A Nimbalkar
Dr Panjabrao Deshmukh Krishi Vidyapeeth
Akola (Maharashtra) 444 104
9. Dr Jagmon Singh Chauhan
Dr Yashwant Singh Parmar University of
Horticulture and Forestry
Nauni, Distt Solan (Himachal Pradesh) 173 230
10. Dr P L Gautam
Govind Ballabh Pant University of Agriculture
and Technology
Pantnagar (Uttaranchal) 263 145
11. Dr R N Sreenivas Gowda
Karnataka Veterinary, Animal and Fisheries Sciences University
Bidar (Karnataka) 585 401
12. Dr D S Rathore
Ch Sarwan Kumar Krishi Vishwavidyalaya
Palampur (Himachal Pradesh) 176 062
13. Dr C R Hazra
Indira Gandhi Krishi Vishwavidyalaya
Raipur (Chhattisgarh) 492 012
14. Dr D P Singh
Jawaharlal Nehru Krishi Vishwa Vidyalaya
Jabalpur (Madhya Pradesh) 482 004
15. Dr B K Kikani
Junagarh Agricultural University
Junagarh (Gujarat) 362 001
16. Dr K V Peter
Kerala Agricultural University
Vellanikara, Distt Thrissur (Kerala) 680 656
17. Dr S S Magar
Dr Balaesahib Sawant Konkan Krishi Vidyapeeth
Dapoli (Maharashtra) 415 712
18. Dr R B Deshmukh
Mahatma Phule Krishi Vidyapeeth
Rahuri (Maharashtra) 413 722
19. Dr S S Kadam
Marathwada Agricultural University
Parbhani (Maharashtra) 431 402
20. Dr S L Mehta
Maharana Pratap University of Agriculture and
Technology
Udaipur (Rajasthan) 313 001
21. Dr S M Ilyas
Narendra Dev University of Agriculture
and Technology,
Faizabad (Uttar Pradesh) 224 229
22. Dr R P S Ahlawat
Navasari Agricultural University
Navasari (Gujarat) 396 450
23. Dr B Senapati
Orissa University of Agriculture and Technology
Bhubaneswar (Orissa) 751 003
24. Dr K S Aulakh
Punjab Agricultural University
Ludhiana (Punjab) 141 004
25. Dr Parmatma Singh
Rajasthan Agricultural University
Bikaner (Rajasthan) 334 002
26. Dr H P Singh
Rajendra Agricultural University
Samastipur, Pusa (Bihar) 848 125
27. Dr B S Chandawat
Sardar Krishi Nagar Dantiwada Agricultural University
Dantiwada (Gujarat) 385 506
28. Dr I B Singh
Sardar Ballabh Bhai Patel University of Agriculture
and Technology
Modipuram, Meerut (Uttar Pradesh) 250 110
29. Dr Anwar Alam
Sher-e-Kashmir University of Agricultural Sciences
and Technology
Srinagar (Jammu and Kashmir) 191 121
30. Dr Nagendra Sharma
Sher-e-Kashmir University of Agricultural
Sciences and Technology
45-B, Gandhinagar, PB 37
Jammu (Jammu and Kashmir) 180 012
31. Dr Priyadarshi Dash
Sri Venkateswara Veterinary University
Tirupati (Andhra Pradesh)
32. Dr C Ramasamy
Tamil Nadu Agricultural University
Coimbatore (Tamil Nadu) 641 003
33. Dr N Balaraman
Tamil Nadu Veterinary and Animal Sciences
University, Chennai (Tamil Nadu) 600 051
34. Dr M N Sheelavantar
University of Agricultural Sciences, GKVK
Bangalore (Karnataka) 560 065

35. Dr S A Patil
University of Agricultural Sciences
Dharwad (Karnataka) 580 005
36. Dr A K Bandyopadhyay
West Bengal University of Animal and
Fishery Sciences, 68KB Sarani
Kolkata (West Bengal) 700 037
37. Dr A T Sherikar
Maharashtra Animal Sciences and Fisheries University
Nagpur (Maharashtra) 440 006
38. Dr S K Garg
Deen Dayal Upadhyaya Veterinary and Animal Science University
Mathura (Uttar Pradesh) 281 001
39. Dr M K Majumdar
Uttar Banga Krishi Vishwavidyalaya
Pundibari
Cooch Behar, (West Bengal) 736 165

Central Agricultural University

1. Dr S N Puri
Central Agricultural University
Imphal (Manipur) 795 004

Central Universities

1. Dr Naseem Ahmad
Aligarh Muslim University
Aligarh (Uttar Pradesh) 202 002

2. Dr Panjab Singh
Banaras Hindu University
Varanasi (Uttar Pradesh) 221 005
3. Professor S K Basu
Upacharya, Visva Bharati
Sriniketan (West Bengal) 731 236
4. Prof G D Sharma
School of Agricultural Sciences and Rural Development
Nagaland University
Medziphema (Nagaland) 797 106

Deemed-to-be Universities

1. Dr A K Singh
Indian Agricultural Research Institute
Pusa, New Delhi 110 012
2. Dr M P Yadav
Indian Veterinary Research Institute
Izatnagar (Uttar Pradesh) 243 122
3. Dr Sushil Kumar
National Dairy Research Institute
Karnal (Haryana) 132 001
4. Dr Dilip Kumar
Central Institute of Fisheries Education
Jaiprakash Road,
Seven Bungalows, Versova
Mumbai (Maharashtra) 400 061
5. Dr R B Lal
Allahabad Agricultural Institute
Allahabad (Uttar Pradesh) 211 007

APPENDIX 11

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

Sl.no. Post	Total posts sanctioned	Total employees in position	Total scheduled castes among them	Percentage to total employees	Total scheduled tribes among them	Percentage to total employees	Total OBC among them	Percentage to total employees
1. Scientific Post								
Scientist	3,881	3,518	317	9.01	49	1.39	218	6.19
Senior Scientist	1,651	510	56	10.98	18	3.52	46	9.01
Principal Scientist	749	470	38	8.00	5	1.06	24	5.10
RMP Scientist	147	111	2	1.80	1	0.90	5	4.50
Total	6,428	4,609	413	8.65	73	1.58	293	6.35
2. Technical Posts								
Category I	4,362	4,026	794	—	295	—	298	—
Category II	2,961	2,684	460	—	152	—	244	—
Category III	629	645	82	—	31	—	32	—
Total	7,952	7,355	1,336	—	478	—	574	—
3. Administration Posts								
(a) Directors/Dy.Secretaries Under Secretaries/ Sr. Admn. Officer/ Sr. Accounts Officer/ Admn. Officer/ F&AO/Legal, PS etc.	225	189	51	—	21	—	3	—
(b) Asstt. Fin. & Accounts Officer/Accounts Officer Section Officer/Hindi Officer/Desk Officer/	608	491	78	—	29	—	28	—
(c) Assistants	1,377	1,290	176	—	70	—	53	—
(d) Stenographers	617	570	80	—	29	—	50	—
(e) UDC/Senior Clerk	1,315	1,394	272	—	90	—	89	—
(f) LDC/Junior Clerk	961	771	169	—	59	—	109	—
Total	5,103	4,705	826	—	298	—	332	—
4. Supporting Staff								
Grade I	3,797	3,216	703	—	109	—	358	—
Grade II	3,247	3,175	873	—	232	—	169	—
Grade III	1,879	1,806	499	—	131	—	87	—
Grade IV	982	800	268	—	116	—	33	—
Group C (Non- Ministerial and Group D)	53	70	63	—	—	—	—	—
Total	9,958	9,067	2,406	—	588	—	647	—
5. Supporting Staff (Safaiwala) Auxillary posts (dying cadre)								
	166	90	82	—	—	—	—	—
	21	17	05	—	—	—	—	—
Total	187	107	87	—	—	—	—	—

APPENDIX 12

AWARDS

AWARD	AWARDEES
Sardar Patel Outstanding Institution Award (2004)	<i>ICAR Institutes</i> (i) Central Institute for Research on Cotton Technology, Mumbai
Jawaharlal Nehru Award for Outstanding Post-graduate Agricultural Research (2004)	<i>Crop Improvement</i> (i) Dr Rupakula Aruna, Osmania University, Hyderabad (ii) Dr Geeta S Pillai, University of Calicut, Calicut <i>Biotechnology</i> (i) Dr V N Kulkarni, UAS, Dharwad Dr Vijay Paul, NDRI, Karnal <i>Plant Protection</i> (i) Dr G Radha Krishnan, IARI, New Delhi (ii) Dr Ashutosh Pathak, GBPUAT, Pantnagar <i>Natural Resource Management</i> (i) Dr Balram Panigrahi, IIT, Kharagpur (ii) Dr Gopi Ramesh, ANGRAU, Hyderabad <i>Horticulture</i> (i) Dr C Lekha Rani, KAU, Vellayani (ii) Dr T Damodaran, TNAU, Coimbatore <i>Engineering and Technology</i> (i) Dr Jaya Sundaram, IIT, Kharagpur (ii) Dr S K Jana, IIT, Kharagpur <i>Animal Sciences</i> (i) Dr A K Mohanty, AIIMS, New Delhi (ii) Dr S B Shivachandra, IVRI, Izatnagar (iii) Dr S K Bhanja, IVRI, Izatnagar <i>Fisheries</i> (i) Dr Saly N Thomas, University of Science and Technology, Cochin <i>Social Sciences</i> (i) Dr N Anandaraja, TNAU, Coimbatore (ii) Dr Sunanda K Itagi, UAS, Dharwad
N.G. Ranga Farmer Award for Diversified Agriculture (2004)	(i) Mr Nand Kishore Jaisalmaria, Vil. Manakla, Jodhpur
Panjabrao Deshmukh Women Agricultural Scientist Award (2004)	(i) Dr M Sujatha, DOR, Hyderabad (ii) Dr A A Sherikar, Mumbai Veterinary College, Mumbai (iii) Dr G Taru Sharma, IVRI, Izatnagar
Vasanttrao Naik Award for Research Applications in Dryland Agriculture (2004)	(i) Dr Gauranga Kar Dr Ravendra Singh Dr H N Verma and Dr B K James, WTC for Eastern Region, Bhubaneswar
Chaudhary Devi Lal Outstanding AICRP Award (2004)	(i) Longterm Fertilizer Experiment, IISS, Bhopal
Chaudhary Charan Singh Award for Excellence in Journalism in Agricultural Research & Development (2004)	(i) Mr Anil Bansal, Jansatta Bureau, Meerut

AWARD	AWARDEES
Rafi Ahmed Kidwai Awards for the Biennium (2003–2004)	<i>Crop Improvement and Crop Protection</i>
	(i) Dr F U Zaman, IARI, New Delhi
	(ii) Dr B N Johri, GBPUAT, Pantnagar
	<i>Natural Resource Management</i>
	(i) Dr P Dureja, IARI, New Delhi
	<i>Horticulture</i>
	(i) Dr R K Pathak, CISH, Lucknow
	<i>Engineering and Technology</i>
	(i) Dr R C Srivastava, WTCER, Bhubaneswar
	<i>Animal Sciences</i>
(i) Dr M C Sharma, IVRI, Izatnagar	
(ii) Dr Usha Rani Mehra, IVRI, Izatnagar	
<i>Fisheries and Aquatic Life Sciences</i>	
(i) Dr Iddya Karunasagar, UAS, Mangalore	
Hari Om Ashram Trust Awards for the Biennium (2003–2004)	<i>Crop Sciences</i>
	(i) Dr A B Mandal, CARI, Port Blair
	<i>Natural Resource Management</i>
	(i) Dr O S Tomar, Dr P S Minhas and Dr J C Dagar CSSRI, Karnal
	<i>Horticulture</i>
	(i) Dr B P Singh, Dr S Roy and Dr P H Singh, CPRI, Shimla
	<i>Animal Sciences</i>
	(i) Dr K T Sampath, Dr M Chandra Shekhariah and Dr (Ms) A Thulasi, NIANP, Bangalore
	<i>Crop Sciences (Crop Improvement and Protection)</i>
	(i) Dr R C Bhattacharya, NRC Plant Bio-Technology, New Delhi
(ii) Dr P D Kamala Jayanti, IIHR, Bangalore	
Lal Bahadur Shastri Young Scientist Awards for Biennium (2003–2004)	<i>Soil Science, Agronomy and Agroforestry</i>
	(i) Dr Dharam Vir Singh, CSWCRT&I, Dehra Dun
	(ii) Dr U K Mandal, CRIDA, Hyderabad
	<i>Horticulture</i>
	(i) Dr Sanjeet Kumar, IIVR, Varanasi
	(ii) Dr Subaharan, CPCRI, Kasaragod
	<i>Animal Sciences</i>
	(i) Dr T K Bhattacharya, IVRI, Izatnagar
	(ii) Dr Bollini Sreedevi, College of Veterinary Sciences, Tirupati
	<i>Social Sciences and Home Science</i>
(i) Dr Anjani Kumar, NCAP, New Delhi	
Swami Sahajanand Saraswati Extension Scientist/Worker Awards for the Biennium (2003–2004)	<i>Crop Production</i>
	(i) Dr R K Sohane, KVK, Begusarai, Bihar
	<i>Livestock Production</i>
	(i) Dr S C Pramanik, CARI, Port Blair
	<i>Natural Resource Management</i>
(i) Dr P Anitha Kumari, CPCRI Regional Station, Kayamkulam, Kerala	
Jagjivan Ram Kisan Puraskar (2004)	(i) Mr C H Bhadsavle, Malegaon, Raigod, Maharashtra
	(ii) Mr Vinayak R Bari, Kankevadi, Thane, Maharashtra
	(iii) Mr A K Sarkar, Samsapur, Dirajpur, West Bengal

APPENDIX 13

AUDIT PARAS MINISTRY OF AGRICULTURE DEPARTMENT OF AGRICULTURAL RESEARCH AND EDUCATION

Extra expenditure due to excess contracted demand of power

Due to retention of contracted demand of power in excess of requirement DMS incurred avoidable expenditure of Rs 2.20 crore.

(Report No. 2 of 2005)
Transaction Audit Observations

INDIAN COUNCIL OF AGRICULTURAL RESEARCH

Management of projects relating to utilization and conservation of soil and water undertaken by ICAR

Natural Resource Management Division of Indian Council of Agricultural Research (ICAR) is responsible for research on conservation, improvement and efficient utilization of soil and water. Five research institutes of ICAR, viz. National Bureau of Soil Survey and Land Use Planning (NBSS&LUP), Nagpur; Indian Institute of Soil Science (IIS), Bhopal; Central Soil Salinity Research Institute (CSSRI), Karnal; Water Technology Centre for Eastern Region (WTCER), Bhubaneswar, and Central Soil and Water Conservation Research and Training Institute (CSWCR&TI), Dehra Dun are engaged in research in these areas. Review of management of projects undertaken/completed by these institutes during 1999–2000 to 2003–04 disclosed the following:

- (i) NBSS&LUP, Nagpur completed 45 projects and terminated 15 projects before their completion during 1999–04. Of the completed projects, research project files were available for 19 projects only which were examined in audit. It could not achieve objectives of soil survey, mapping and land use planning in three projects involving an expenditure of Rs 6.63 crore. Soil Survey reports were not prepared even after lapse of five to 25 years.
- (ii) During the period 1999–04, IIS Bhopal completed 36 projects, of which 19 projects were test checked. It did not achieve the desired results in soil science research in two projects, despite expenditure of Rs 55.25 lakh. Apart from this, technologies developed in three projects at a total cost of Rs 1.18 crore were not transferred to the end-users. ICAR did not furnish reasons for non-transfer of technologies to the end-users.
- (iii) CSSRI, Karnal completed 72 projects during 1999–2004, of which 40 were test checked. It could not solve effectively the issues relating to reclamation and management of alkaline and saline soils in two projects costing Rs 12.82 crore. Map of salt affected soils of India was also not prepared. In three projects, technology developed at a cost of Rs 47.12 lakh was not transferred to the end users.
- (iv) WTCER, Bhubaneswar completed 28 projects during 1999–04, of which 20 projects were test checked. It failed to accomplish targeted results in three projects costing Rs 36.39 lakh resulting in non-achievement of the objective of sustainable agricultural production through management of canal water, rain water and waterlogged land. Besides, it did not transfer to the end-users the technology developed at a total cost of Rs 66.13 lakh in six projects.
- (v) CSWCR&TI, Dehradun completed 86 projects during 1999–2000 to 2003–04, of which 16 projects where project records were maintained were test checked. It did not achieve the objective of research in soil and water conservation measures and land use systems for sustainable crop production in three projects costing Rs 37.90 lakh. It also did not transfer to the end-users the technology developed in four projects at a total cost of Rs 12.31 lakh.

Short recovery of electricity charges

Indian Council of Agricultural Research (ICAR) obtained temporary electricity connection of 340 KW from Delhi Vidyut Board (DVB) in May 1999 for their newly constructed National Agricultural Science Centre (NASC) complex. Apart from the residential quarters, some private and ICAR offices were also housed in the complex. Perusal of the electricity bills paid by ICAR relating to NASC complex and recoveries effected there against revealed that during the period June 1999 to March 2004, the residents of staff quarters had consumed 6,11,436 units of electricity for which an amount of Rs 47.35 lakh, including demand charges and electricity tax, was recoverable from them. However, the recovery made by ICAR against this was Rs 18.16 lakh only, resulting in short recovery of Rs 29.19 lakh.

(Para 8.1 of Report No. 5 of 2005)
Scientific Departments)

Acronyms

AADU	: Allahabad Agricultural Deemed University	CITH	: Central Institute of Tropical Horticulture
AAU	: Assam Agricultural University	CMFRI	: Central Marine Fisheries Research Institute
AB	: Accreditation Board	CMS	: Cytoplasmic Male Sterile
AER	: Agro-ecological Region	CP	: Crude Protein
AESR	: Agro-ecological Subregion	CPCRI	: Central Plantation Crops Research Institute
AGRI-IS	: Animal Genetic Resources of the India-Information System	CRIDA	: Central Research Institute for Dryland Agriculture
AHRD	: Agricultural Human Resources Development	CRIJAF	: Central Research Institute for Jute and Allied Fibres
AICRP	: All-India Coordinated Research Project	CRRRI	: Central Rice Research Institute
AMS	: Aggregate Measure of Support	CSSRI	: Central Soil Salinity Research Institute
ANGRAU	: Acharya N G Ranga Agricultural University	CSWRI	: Central Sheep and Wool Research Institute
APC	: Agro-processing Centre	CTCRI	: Central Tuber Crops Research Institute
ANN	: Artificial Neural Network	CTV	: Citrus Tristeza Virus
APEDA	: Agricultural Products Export Development Agency	CYMBV	: Citrus Yellow Mosaic Badna Virus
ARI	: Agricultural Research Institute	CZ	: Central Zone
ARIS	: Agricultural Research Information System	DAC	: Department of Agriculture and Cooperation
ARS	: Agricultural Research Service	DARE	: Department of Agricultural Research and Education
ASRB	: Agricultural Scientists Recruitment Board	DAS	: Days After Sowing
ATICs	: Agricultural Technology Information Centres	DBT	: Department of Biotechnology
ATMA	: Agricultural Technology Management Agency	DCP	: Digestible Crude Protein
AVT	: Advance Varietal Trial	DEE	: Directorate of Extension Education
AWS	: Ammoniated Wheat Straw	DIPA	: Directorate of Information and Publications of Agriculture
BBF	: Broad Bed and Furrow	DSIR	: Department of Scientific and Industrial Research
BBTV	: Banana Bunchy Top Virus	DST	: Department of Science and Technology
BE	: Budget Estimate	DUs	: Deemed-to-be Universities
BPH	: Brown Plant-hopper	DWR	: Directorate of Wheat Research
BSMCs	: Brood Subject Matter Committees	EADR	: Equivalent Average Death Rate
BVD	: Bovine Viral Diarrhoea	ELISA	: Enzyme-linked Immunosorbent Assay
CABI	: Centre for Agriculture and Biosciences International	EMC	: Equilibrium Moisture Content
CAPART	: Council for Advancement of People's Action and Rural Technology	EPN	: Entomopathogenic Nematode
CARI	: Central Avian Research Institute	ESP	: Exchangeable Sodium Percentage
CARP	: Council for Agricultural Research Policy (Sri Lanka)	ETL	: Economic Threshold Level
CAS	: Centres of Advanced Studies	FAO	: Food and Agriculture Organization
CAU	: Central Agricultural University	FCV	: Flue-cured Virginia
CAZRI	: Central Arid Zone Research Institute	FMC	: Field Management Committee
CCPP	: Contagious Caprine Pleuro Pneumonia	FECRT	: Faecal Egg Count Reduction Test
CCSHAU	: Choudhary Charan Singh Haryana Agricultural University	FFS	: Farmers' Field School
CEC	: Cation Exchange Capacity	FIM	: Farm Implements and Machinery
CFB	: Complete Feed Block	FIRB	: Furrow Irrigation Raised Bed
CFC	: Common Fund for Commodities	FLDs	: Frontline Demonstrations
CGP	: Competitive Grant Programme	FMD	: Food-and-Mouth Disease
CIAE	: Central Institute of Agricultural Engineering	FRP	: Fibreglass Reinforced Plastic
CIAH	: Central Institute of Arid Horticulture	FYM	: Farmyard Manure
CIAT	: Central International de Agricultural Tropical, Centre for Tropical International Agriculture	GBPUAT	: Govind Ballabh Pant University of Agriculture and Technology
CIBA	: Central Institute of Brackishwater Aquaculture	GDD	: Growing Degree Days
CIFA	: Central Institute Freshwater Aquaculture	GDP	: Gross Domestic Product
CIFE	: Central Institute of Fisheries Education	GIS	: Geographical Information System
CIFT	: Central Institute of Fisheries Technology	GOI	: Government of India
CIMMYT	: Centro Internacional de Mejoramiento de Maize Trigo	GPC	: Grain Protein Content
CIPHET	: Central Institute of Post-harvest Engineering and Technology	GTR	: Guided Tissue Generation
CIRCOT	: Central Institute for Research on Cotton Technology	HAI	: Health Assessment Index
CIRG	: Central Institute for Research on Goats	HF	: Holstein Friesian
CISH	: Central Institute for Subtropical Horticulture	HRD	: Human Resource Development
		HSD	: High Speed Diesel
		HYV	: High-yielding Variety
		IARI	: Indian Agricultural Research Institute

IASRI	: Indian Agricultural Statistics Research Institute	NAA	: Nophthalene Acetic Acid
IBR	: Infectious Bovine Rhinotracheitis	NAARM	: National Academy of Agricultural Research and Management
ICAR	: Indian Council of Agricultural Research	NABARD	: National Bank for Agricultural and Rural Development
ICARDA	: International Centre for Agricultural Research in Dry Areas	NADRES	: National Animal Disease Referral Exert System
ICAR-RC-NEH	: ICAR Research Complex for North-Eastern Hills Region	NAIP	: National Agricultural Innovation Project
ICMV	: Indian Cassava Mosaic Virus	NAP	: National Agricultural Policy
ICOR	: International Capital Output Ratio	NARD	: National Agricultural Research Database
ICRISAT	: International Crops Research Institute for Semi-arid Tropics	NARP	: National Agricultural Research Project
ICRSV	: Indian Citrus Ringspot Virus	NARS	: National Agricultural Research System
ICT	: Information and Communication Technology	NASM	: National Agriculture Science Museum
IDFS	: International Dairy Federation Standards	NATP	: National Agricultural Technology Project
IFSP	: International Foundation for Science Project	NBAGR	: National Bureau of Animal Genetic Resources
IGFP	: Insulin like Growth Factor Protein	NBFGR	: National Bureau of Fish Genetic Resources
IGFRI	: Indian Grassland and Fodder Research Institute	NBPGR	: National Bureadu of Plant Genetic Resources
IGKVV	: Indira Gandhi Krishi Vishwa Vidyalaya	NBSS & LUP	: National Burearu of Soil Survey and Land Use Planning
IGNOU	: Indira Gandhi National Open University	NCAP	: National Centre for Agricultural Economics and Policy Planning
IGP	: Indo-Gangetic Plains	NDRI	: National Dairy Research Institute
ILRI	: Indian Lac Research Institute	NDUAT	: Narendra Deva University of Agriculture and Technology
ILRI	: International Livestock Research Institute	NEH	: North-Eastern Hills
IIVR	: Indian Institute of Vegetable Research	NEPZ	: North-Eastern Plains Zone
IPGRI	: International Plant Genetic Resources Institute	NET	: National Eligibility Test
ITDP	: Integrated Tribal Development Project	NGOs	: Non-Government Organizations
IWMI	: International Water Management Institute	NIRJAFT	: National Institute of Research on Jute and Allied Fibre Technology
INARIS	: Integrated National Agricultural Resource Information System	NRCAF	: National Research Centre on Agroforestry
IIHR	: Indian Institute of Horticultural Research	NRCC	: National Research Centre on Camel
IIPR	: Indian Institute of Pulses Research	NRCE	: National Research Centre on Equines
IISR	: Indian Institute of Sugarcane Research	NRCWA	: National Research Centre for Women Agriculture
IIT	: Indian Institute of Technology	NRSA	: National Remote Sensing Agency
INM	: Integrated Nutrient Management	NTS	: National Talent Scholarship
IPM	: Integrated Pest Management	O&M	: Organization and Management
ISD	: Integrated System Development	OBCs	: Other Backward Classes
ISNAR	: International Service for National Agricultural Research	OL	: Other Languages
ISRO	: Indian Space Research Organization	OUAT	: Orissa University of Agriculture and Technology
ITD	: Innovations in Technology Dissemination	PAGE	: Polyacrylamide Gel Electrophoresis
ITK	: Indigenous Technical Knowledge	PAU	: Punjab Agricultural University
IVF	: <i>In-vitro</i> Fertilization	PCR	: Polymerase Chain Reaction
IVLP	: Institution-Village Linkage Programme	PCR-RFLP	: PCR-Restriction Fragment Length Polymorphism
IVRI	: Indian Institute of Vegetable Research	PDKV	: Dr Panjab Rao Deshmukh Krishi Vidyapeeth
JD	: Johne's Disease	PEQN	: Post-Entry Quarantine Nursery
JNKVV	: Jawaharlal Nehru Krishi Vishwa Vidyalaya	PERMISNET	: Personal Management Informational System Network
KAU	: Kerala Agricultural University	PPF	: Partial Factor Productivity
KKV	: Konkan Krishi Vidyapeeth	PIC	: Polymorphism Information Content
KVKs	: Krishi Vigyan Kendras	P&L	: Partnership and Linkages
LCC	: Leaf Colour Chart	PMC	: Project Management Committee
LE	: Larval Equivalent	PPR	: Peste des Petitis Rumenentis
LER	: Land Equivalent Ratio	PRA	: Pathogen Risk Analysis
LIS	: Library Information System	PSB	: Phosphate-solubilizing Bacteria
MABM	: Master ofr Agri-business Management	PSR	: Production System Research
MHRD	: Ministry of Human Resource Development	PTO	: Power Take Off
MM	: Mission Mode	QUEFTS	: Quantitative Evaluation of Fertility of Tropical Soils
MoA	: Memorandum of Agreement	QRT	: Quinquennial Review Team
MoU	: Memorandum of Understanding	RAPD	: Random Amplified Polymorphic DNA
MPKV	: Mahatma Phule Krishi Vidyapeeth	RAU	: Rajendra Agricultural University/Rajasthan Agriculture University
MPTS	: Multipurpose Tree Species	RAWE	: Rural Agriculture Work Experience
MRL	: Maximum Residual Limit	RDT	: Rough-set-based Decision Tree
MRP	: Mussourie Rockphosphate		
MS	: Male-sterile		
MV	: Modern Varieties		

RE	: Revised Estimate	TDN	: Total Digestible Nutrient
REP	: Relative Erosion Potential	TDS	: Total Dissolved Salts
RFLP	: Restricted Fragment Length Polymorphism	TFP	: Total Factor Productivity
RPFs	: Research Project Files	TNAU	: Tamil Nadu Agricultural University
RSC	: Residual Sodium Carbonate	TNUVAU	: Tamil Nadu University of Veterinary and Animal Sciences
RSPPT	: Random Sample Poultry Performance Test	ToE	: Team of Excellence
SAARC	: South Asian Association for Regional Co-operation	TTCs	: Trainers' Training Centres
SAP	: Scientific Advisory Panel	UAS	: University of Agricultural Sciences
SAR	: Sodium Adsorption Ratio	UG	: Under-graduate
SAUs	: State Agricultural Universities	UGC	: University Grants Commission
SC	: Scheduled Caste	USIF	: United States India Fund
SFC	: Standing Finance Committee	VPKAS	: Vivekananda Parvatiya Krishi Anusandhan Sansthan
SHGs	: Self Help Groups	WMD	: White Muscle Disease
SREP	: Strategic Research and Extension Plan	WTD	: White Tail Disease
ST	: Scheduled Tribe	YSPUH&F	: Dr Yashwant Singh Parmar University of Horticulture and Forestry
STCR	: Soil Test-based Crop Response	ZARS	: Zonal Agricultural Research Station
STMS	: Sequence Tagged Micro Satellite	ZCUs	: Zonal Co-ordinating Units
TAR/IVLP	: Technology Assessment and Refinement Institution Village Linkage Programme	ZECC	: Zero Energy Cool Chamber
TC	: Technical Co-ordination		

