

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURAL RESEARCH & EDUCATION

LOK SABHA
STARRED QUESTION NO. 392
TO BE ANSWERED ON 23/03/2021

RESTRUCTURING OF ICAR

***392. DR. JAYANTA KUMAR ROY:**
SHRI RAJVEER SINGH (RAJU BAAIYA):

Will the Minister of AGRICULTURE & FARMERS WELFARE
कृषि और किसान कल्याण मंत्री be pleased to state:

- (a) whether the Government has constituted a High Powered Committee to restructure the Indian Council of Agricultural Research (ICAR);
- (b) if so, the details thereof;
- (c) whether ICAR has prepared a “Vision-2050” document to chalk out a demand-driven research agenda for development of agriculture sector;
- (d) if so, the details along with the salient features thereof;
- (e) the details of research centres and projects undertaken by ICAR in the country including rural and backward areas, State-wise;
- (f) the details of the expenditure incurred by the Government on the said centres and the projects during the last three years and the current year;
- (g) whether agricultural production has increased from the said centres; and
- (h) if so, the details thereof along with the steps taken by the Government to promote research in the agriculture sector?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND
FARMERS WELFARE
कृषि और किसान कल्याण मंत्रालय में राज्य मंत्री (SHRI PARSHOTTAM RUPALA)
(a) to (h): A Statement is laid on the Table of the House.

**STATEMENT IN RESPECT OF PARTS (a) to (h) OF LOK SABHA STARRED
QUESTION NO. 392 TO BE ANSWERED ON 23/03/2021 REGARDING
“RESTRUCTURING OF ICAR”**

(a) & (b): The restructuring and reforms in agricultural research system have been implemented from time to time to bring more efficiency and transparency. A committee headed by Dr T. Ramasami, former Secretary, Department of Science & Technology, Government of India, was constituted by the Government in 2017 to review the working of Indian Council of Agricultural Research (ICAR) system. Recommendations made by the committee have been accepted in principle and many of these have also been implemented.

(c) & (d): ICAR has developed vision 2050 document. These documents provide the strategic framework for innovation-led inclusive and sustainable agricultural growth in the country. The “Vision 2050” document of ICAR addresses future research issues and opportunities in agriculture sector. It also provided strategy and the framework for achieving the goals.

(e) & (f): ICAR has created a research network of 102 ICAR Research Institutes, 82 All India Coordinated Research Projects/ Network Projects, 11 Agricultural Technology Application Research Institutes (ATARIs) and a network of 723 Krishi Vigyan Kendras (KVKs) at district level to address the agriculture and allied sector needs of the country including north-eastern regions, tribal dominated areas, hilly areas and dry regions. The list of ICAR research Institutes, Centres and All India Coordinated Research Projects/ Network Projects operational in the country state wise and the funds allocated to them are attached as **Annexure-I**. The research programmes are prioritized to develop new high yielding, disease and pest resistant varieties of food crops, pulses, fodder and commercial crops; climate resilient technologies and farming practices besides livestock and fisheries technologies. New research programs on basic, strategic and applied research related to crop improvement, crop production, crop protection, post-harvest operations, value addition, etc. have been taken up. The KVKs undertake assessment and demonstration of technologies/ products developed by institutes and disseminate them among the farmers and line departments through district level front line demonstration and training programmes.

ICAR has incurred an expenditure of Rs. 6590.64, 7615.71 and 7653.46 Crores during the year 2017-18, 2018-19 and 2019-20 respectively on the said centres and the projects. Rupees 5745.05 Crore has been expended up to January during the current year (2020-21).

(g) & (h): The high yielding varieties, hybrids of field and horticultural crops, improved breeds/ varieties of animals and fish along with production and protection technologies suitable for different agro-climatic situations developed by ICAR research institutes have not only contributed towards increased production and productivity but also helped to bring-in climate resilience. Due to the steps taken towards Agriculture sector including those of ICAR, the farm sector has demonstrated a positive growth of over 3.4 per cent at constant prices in 2020-21, thus resulting in 19.9% share of

agriculture in gross domestic product (GDP) in 2020-21. With all these efforts, potential yield of crops per annum increased by 2.3-3.5 per cent, crop productivity increased by 2.0 per cent, production and productivity of fruits and vegetables increased by 2.1-2.2 per cent, inland and marine fish production increased by 9.2-9.4 per cent, livestock productivity increased by 1.0 percent, input use efficiency increased by 2.0-3.0 percent and the adoption of agricultural technologies increased by more than 10 per cent. The Government is taking elaborate efforts consistently to strengthen the research base of the institutes and centers in the country through adequate fund support to address the present and future technology needs of the country.

The Details of the Research Projects undertaken by ICAR and the funds allocated to them during the last three years and current year

(Rs. In Lakhs)

Sl.No	CENTRAL SECTOR SCHEMES	2017-18		2018-19		2019-20		2020-21
		Revised Estimates	Actual Exp.	Revised Estimates	Actual Exp.	Revised Estimates	Actual Exp.	Budget Estimates
1	Management of Natural Resources							
1.1	Natural Resource Management including Agroforestry Research							
1	Soil Characterization and Management	3259.00	3005.24	2807.87	2437.58	2963.68	2931.51	3340.59
	Indian Institute of Soil Science, Bhopal	451.00	346.21	321.75	184.57	494.15	526.59	534.61
	AICRP on Micro and Secondary Nutrients & Pollutant Elements in Soils and Plants, Bhopal	135.00	153.38	141.67	134.51	120.39	120.38	120.01
	AINP on Soil Biodiversity - Biofertilizer, Bhopal	105.00	99.10	84.45	78.00	45.74	41.90	49.84
	AICRP on Soil Test Crop Response, Bhopal	116.00	108.08	110.83	101.29	103.82	102.36	108.57
	AICRP on Long Term Fertilizer Experiments, Bhopal	90.00	86.26	68.18	65.75	77.29	75.34	93.77
	CRP on Conservation Agriculture, Bhopal	275.00	159.71	253.61	219.72	288.98	288.95	314.97
	Central Soil Salinity Research Institute, Karnal	830.50	829.80	717.98	715.16	836.99	835.48	939.76
	AICRP on Salt Affected Soils & use of Saline Water, Karnal	56.00	55.88	62.54	4.52	60.36	6.30	65.78
	National Bureau of Soil Survey and Land Use Planning, Nagpur	1200.50	1166.82	1046.86	934.05	935.96	934.20	1113.28
2	Water Harvesting, Conservation and Management	2833.76	2168.48	2287.34	1970.45	2648.50	2508.54	2986.30
	Indian Institute of Water Management, Bhubaneswar	349.26	269.04	295.71	294.49	298.76	290.97	356.74
	AICRP on Irrigation Water Management, Bhubaneswar	81.00	79.26	88.02	87.38	93.21	93.14	101.9
	CRP on Water, Bhubaneswar	375.00	158.46	314.68	187.03	294.24	166.27	354.91
	Indian Institute of Soil and Water Conservation, Dehradun	1080.00	1075.54	864.31	849.04	1131.1	1128.04	1251.26
	ICAR Research Complex for Eastern Region, Patna	948.50	586.18	724.62	552.51	831.19	830.11	921.49
3	Dryland Agriculture	3004.00	2920.14	1951.18	1580.70	2057.44	1998.24	2540.20
	Central Research Institute of Dryland Agriculture, Hyderabad	1063.00	889.33	734.84	607.42	835	834.75	1003.47
	AICRP Dryland Agriculture, Hyderabad	260.00	250.76	140.49	89.60	339.2	339.20	380.62
	AICRP on Agrometeorology, Hyderabad	110.00	104.07	115.82	22.16	112.25	56.77	122.34

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		Revised Estimates	Actual Exp.	Revised Estimates	Actual Exp.	Revised Estimates	Actual Exp.	Budget Estimates
	National Institute of Abiotic Stress Management, Baramati, Maharashtra	1571.00	1675.98	960.03	861.52	770.99	767.53	1033.77
4	Sustainable Cropping and Farming System Research	2795.61	2322.51	3206.21	3202.61	2641.90	2598.81	2828.57
	Indian Institute of Farming System Research, Modipuram	508.75	282.59	332.75	331.95	407.26	391.26	463.56
	AICRP on Integrated Farming System, Modipuram	492.98	483.23	487.07	490.05	402.06	382.97	418.68
	Network Programme on Organic Farming, Modipuram	175.00	160.90	184.62	183.90	164.17	159.59	169.12
	Central Agroforestry Research Institute, Jhansi	365.00	335.28	269.01	267.31	316.88	315.22	356.76
	AICRP on Agroforestry, Jhansi	175.00	168.13	251.92	251.32	225.44	225.41	327.33
	Directorate of Weed Research, Jabalpur	486.50	364.63	397.68	394.97	439.99	438.83	478.45
	AICRP on Weed Management, Jabalpur	107.00	106.72	122.58	122.51	119.06	118.74	129.75
	Mahatma Gandhi Integrated Farming Research Institute, Motihari	485.38	421.03	1160.58	1160.61	567.04	566.79	484.92
5	Management of Arid, Hill and Coastal Eco System	4875.63	2503.06	4571.40	4381.01	5571.48	5544.31	5704.34
	Central Arid Zone Research Institute, Jodhpur	1068.00	1157.14	1103.36	752.29	1163.59	1151.27	1274.75
	ICAR Research Complex for NEH Region, Barapani	3070.50	761.74	2901.55	3163.66	3748.93	3760.72	3645.54
	Central Coastal Agricultural Research Institute Goa	737.13	584.18	566.49	465.06	658.96	632.33	784.05
	TOTAL	16768.00	12919.43	14824.00	13572.35	15883.00	15581.42	17400.00
1.2	Climate Resilient Agriculture Initiative							
6	National Innovation in Climate Resilient Agriculture, Hyderabad	5000.00	3552.44	4421.00	3836.42	4600	3845.44	5200
1.3	Agricultural Engineering							
7	Farm Mechanisation	1473.00	1331.67	2206.19	2171.33	2300.65	2288.29	2535.51
	Central Institute of Agricultural Engineering, Bhopal	740.00	647.79	936.86	936.75	1042.36	1041.86	1096.46
	AICRP on Farm Implements and Machinery, Bhopal	208.00	183.34	297.21	293.48	288.03	288.03	320
	AICRP on Ergonomics and Safety in Agriculture, Bhopal (ESA)	92.00	87.70	124.05	114.19	122.8	122.80	172.5
	AICRP on Energy in Agriculture and Agro based Industries , Bhopal (EAAI)	125.00	125.24	255.50	252.23	385.01	385.01	420
	AICRP on Animal Energy System, Bhopal (earlier UAE)	122.00	119.65	232.62	225.75	186.14	186.14	202.8
	CRP on Farm Mechanisation and Precision Farming, Bhopal	100.00	90.98	195.87	184.88	150.8	139.40	197.5
Sl.No	CENTRAL SECTOR	2017-18		2018-19		2019-20		2020-21

	SCHEMES	Revised Estimates	Actual Exp.	Revised Estimates	Actual Exp.	Revised Estimates	Actual Exp.	Budget Estimates
	CRP on Energy from Agriculture, Bhopal	86.00	76.98	164.08	164.06	125.51	125.04	126.25
	Network project on Engineering Intervention in Micro irrigation system for Improving Water Productivity				0.00			
8	Post production Mechanisation and Value Addition	1792.00	1543.19	2355.31	2215.76	2728.37	2665.05	2867.99
	Central Institute on Post harvest Engineering and Technology, Ludhiana	425.00	388.17	594.22	485.14	750.08	644.21	796
	AICRP on Plasticulture Engineering and Technology, Ludhiana	103.00	73.80	324.09	375.67	216.65	251.82	240.08
	AICRP on Post Harvest Engineering and Technology, Ludhiana	358.00	357.71	489.75	548.97	536.44	587.71	560.13
	CRP on Health Food, Ludhiana	106.00	69.68	0.00	0.00			
	CRP on Secondary Agri., Ludhiana	106.00	89.07	137.98	121.65	91.91	94.41	114
	Indian Institute of Natural Resins and Gums, Ranchi	420.00	293.54	452.76	328.15	761.26	733.37	742
	Network project on Processing and Value Addition of Natural Resins & Gums, Ranchi	137.00	136.00	156.74	156.74	171.88	164.01	165.25
	Network Project on Conservation of Lac Insect Genetic Resources, Ranchi	137.00	135.24	199.77	199.43	200.15	189.53	250.53
9	Fibre Processing and Value Addition	1003.00	1006.31	1388.50	1411.30	1372.98	1369.35	1596.50
	Central Institute of Research on Cotton Technology, Mumbai	570.00	589.92	713.63	798.24	811.26	811.20	805
	CRP on Nature Fibre, Mumbai	66.00	63.71	69.53	68.54	90	88.75	127
	National Institute of Natural Fibre Engineering and Technology, Kolkata	367.00	352.68	595.34	544.52	471.72	469.40	664.5
	ICAR IFAD - new Project			10.00				
	TOTAL	4268.00	3881.17	5950.00	5798.39	6402.00	6322.68	7000.00
2	Crop Sciences							
2.1	Crop Science							
10	Genetic Resource Management	4737.65	5167.10	4488.50	4151.55	4992.13	4869.60	5460.00
	National Bureau of Plant Genetic Resources, New Delhi	3087.00	3524.03	2739.00	2373.93	2814.11	2804.64	3155
	All India Network Project (AINP) on Potential Crops, New Delhi	25.00	25.00	108.00	104.19	180	178.42	195
	Consortium Research Project (CRP) on Agrobiodiversity	190.15	198.52	311.50	280.30	362.36	348.77	385
	National Bureau of Agricultural Insect Resources, Bengaluru	527.50	500.07	468.00	534.05	584.26	493.26	605

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	National Bureau of Agriculturally Important Microorganisms, Mau	603.00	617.74	536.00	537.61	691.4	691.40	750
	Application of Micro-organisms in Agriculture and Allied Sectors (AMAAS)	305.00	301.76	326.00	321.47	360	353.10	370
11	Basic and Strategic Research and Education	13366.83	11315.48	27110.49	26552.36	25165.79	24876.83	30767.00
	Indian Agriculture Research Institute, New Delhi	9700.25	8904.45	18092.17	17684.61	16880.88	16880.54	17758
	Network Project on Functional Genomics and Genetic Modification in Crops, NIPB, New Delhi	308.00	307.72	331.00	349.58	425.05	391.25	430
	National Institute for Plant Biotechnology, New Delhi	600.00	588.86	613.00	611.90	777.89	787.24	800
	CRP on Hybrid Technology, New Delhi	450.00	360.98	509.50	461.28	609.09	554.43	620
	CRP on Molecular Breeding, New Delhi	350.00	302.74	387.50	337.22	474.09	415.54	480
	Indian Institute of Agricultural Biotechnology, Ranchi	628.00	208.70	1207.52	2724.33	2408.79	2408.79	2880
	Indian Agriculture Research Institute, Jharkhand	1180.58	586.40	3915.80	3434.58	2190	2039.14	4892
	Indian Agriculture Research Institute, Assam	150.00	55.61	2054.00	948.86	1400	1399.90	2907
12	Rice, Wheat and Barley Improvement	6032.85	5677.41	8556.60	6748.53	7226.42	7143.30	7787.00
	National Rice Research Institute, Cuttack	2364.50	2410.54	2545.70	2490.18	2370.41	2672.37	2579
	CRP on Biofortification, Hyderabad	450.00	372.90	503.00	482.78	663.97	574.65	690
	Incentivising Research in Agriculture, Cuttack	981.85	765.98	1438.50	1167.32	1375.39	1219.43	1300
	Indian Institute of Rice Research, Hyderabad	601.00	569.70	919.40	570.35	1041.3	902.17	1235
	AICRP on Rice, Hyderabad	363.00	349.53	1774.00	730.60	735	740.34	720
	Indian Institute of Wheat and Barley Research, Karnal	1117.50	1061.99	1068.00	1057.75	834.86	834.85	975
	AICRP on Wheat & Barley, Karnal	155.00	146.79	308.00	249.55	205.49	199.50	288
13	Maize, Millet & Forage Crop Improvement and Hill Agriculture	3677.95	3426.86	5631.67	5780.74	6051.66	5857.58	6636.56
	Indian Institute of Maize Research, Ludhiana	1003.50	967.56	1304.00	1200.88	1341.07	1308.98	1474
	AICRP on Maize, Ludhiana	285.00	285.00	446.00	446.00	450.46	459.39	402.56
	Indian Institute of Millets Research, Hyderabad	687.00	717.70	1103.57	1202.55	895.87	896.89	975
	AICRP Sorghum, Hyderabad	110.00	109.97	143.00	153.00	195	99.36	200
	AICRP on Pearl Millets, Jodhpur	80.00	85.00	400.00	400.00	390.2	366.21	450

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		Revised Estimates	Actual Exp.	Revised Estimates	Actual Exp.	Revised Estimates	Actual Exp.	Budget Estimates
	AICRP on Small Millets, Bangaluru	50.00	50.00	72.00	76.00	120	115.00	100
	Indian Grassland and Fodder Research Institute, Jhansi	823.70	763.32	810.50	822.17	908.46	895.28	950
	AICRP on Forage Crops and Utilization, Jhansi	120.00	117.99	189.60	213.91	233.95	231.14	235
	Vivekananda Parvatiya Krishi Anusandhan Sansthan, Almora	518.75	330.32	1163.00	1266.22	1516.65	1485.33	1850
14	Pulse Improvement and Seed Research	2322.65	2186.12	3954.10	3599.62	4358.86	4210.77	4265.23
	Indian Institute of Pulses Research, Kanpur	705.00	728.84	1481.00	1581.00	1892.05	1892.96	1785
	AICRP on Chickpea, Kanpur	130.00	130.00	205.00	214.50	248	248.00	233
	AICRP on MULLaRP, Kanpur	130.00	129.88	319.00	319.00	250	249.99	252.54
	AICRP on Pigeon Pea, Kanpur	100.00	100.00	140.00	140.00	159.39	159.39	168.09
	AINP on Arid Legumes, Kanpur	49.00	49.00	68.00	52.99	85	86.35	85
	Indian Institute of Seed Science, Mau	401.80	321.50	483.10	339.51	534.95	534.23	550
	AICRP NSP(Crops), Mau	99.00	96.98	555.00	375.11	379.4	358.38	410
	Seed Production in Agricultural Crops, Mau	707.85	629.92	703.00	577.50	810.07	681.47	781.6
15	Oilseed Crop Improvement	2913.43	2732.71	4307.80	3263.11	4108.10	4060.14	4061.60
	Indian Institute of Oilseeds Research, Hyderabad	815.75	808.24	831.00	760.90	1009.94	1009.93	861
	AICRP on Oilseed, Hyderabad	150.00	150.00	177.00	177.00	207	207.00	185
	AICRP on Linseed, Kanpur	65.00	65.00	345.75	150.26	162.6	161.46	119.6
	AICRP on Sesame and Niger, Jabalpur	70.00	70.00	87.00	87.00	127	127.00	110
	Directorate of Groundnut Research, Junagarh	558.00	491.34	640.05	677.15	859	814.23	905
	AICRP on Groundnut, Junagarh	134.00	132.92	270.00	209.40	256.84	256.83	261
	Indian Institute of Soybean Research, Indore	417.18	405.46	440.00	412.81	415.11	414.29	510
	AICRP on Soybean, Indore	109.50	102.94	780.00	140.01	200.35	199.43	190
	Directorate of Rapeseed - Mustard Research, Bharatpur	454.00	366.80	478.00	389.58	586.7	586.40	620
	AICRP on Rapeseed & Mustard, Bharatpur	140.00	140.00	259.00	259.00	283.56	283.56	300
16	Commercial Crop Improvement	4078.90	3220.74	6342.91	6315.75	7082.32	6888.49	7159.19
	Indian Institute of Sugarcane Research, Lucknow	908.00	795.71	2559.00	2823.39	2545.56	2505.56	2595
	Sugarcane Breeding Institute, Coimbatore	604.50	597.16	965.00	1026.55	1140.27	1140.27	1115
	AICRP on Sugarcane, Lucknow	120.65	120.65	133.00	139.00	235	227.18	200
	Central Tobacco Research Institute, Rajamundry	499.25	461.71	431.40	246.68	589.62	559.53	586
	AINP on Tobacco, Rajamundry	8.00	1.50	100.00	60.60	80	79.99	72
Sl.No	CENTRAL SECTOR	2017-18		2018-19		2019-20		2020-21

	SCHEMES	Revised Estimates	Actual Exp.	Revised Estimates	Actual Exp.	Revised Estimates	Actual Exp.	Budget Estimates
	Central Institute of Cotton Research, Nagpur	1154.75	846.04	1317.26	1147.21	1372.19	1260.62	1408.19
	AICRP on Cotton, Coimbatore	147.00	146.59	171.25	142.87	183	182.99	203
	Central Research Institute for Jute and Allied Fibres, Barrackpore	590.75	205.42	591.00	655.47	810.08	806.49	860
	AINP on Jute and Allied Fibres, Barrackpore	46.00	45.95	75.00	73.99	126.6	125.86	120
17	Plant Protection and Pollinator Research	2835.74	3239.54	4806.93	4359.12	4514.72	4504.42	5413.42
	National Research Centre for Integrated Pest Management(NCIPM), New Delhi	645.00	631.63	1030.00	587.91	722	693.02	885
	AINP on Soil Arthropod Pests, Durgapura, Rajasthan	94.50	117.50	270.50	268.64	212.5	212.16	175
	AINP on Agricultural Acarology, NCIPM, New Delhi	23.80	26.50	130.50	130.50	103.2	103.20	103.2
	AINP on Pesticides Residues, New Delhi	101.00	99.51	214.60	213.80	205	205.53	240
	AICRP on Nematodes in Cropping System, New Delhi	83.50	83.27	152.00	143.04	197.28	195.75	167.28
	AICRP on Biocontrol of Crop Pests, Bengaluru	61.74	53.74	498.00	445.78	453.8	456.54	435
	AICRP - Honeybees and Pollinators, New Delhi	86.50	93.81	364.14	261.78	237.71	237.68	223.65
	AINP on Vertebrate Pest Management, Jodhpur	54.70	52.28	245.19	243.53	225.1	224.46	183.75
	National Institute of Biotic Stress Management, Raipur	1685.00	2081.29	1902.00	2064.13	2158.13	2176.07	3000.54
	TOTAL	39966.00	36965.97	65199.00	60770.77	63500.00	62411.12	71550.00
2.2	Horticulture							
18	Tropical and Subtropical Horticulture	5056.75	4825.40	6041.47	5719.70	6654.52	6437.59	6837.69
	Indian Institute of Horticulture Research, Bengaluru	1843.00	1583.44	2049.24	1787.42	1998.5	1998.50	1558
	AICRP Fruits (Tropical and Sub Tropical), Bengaluru	475.00	474.55	845.00	832.16	879	815.31	800
	NRC Banana, Trichi	450.00	437.89	481.93	511.78	490.77	475.72	434.3
	Central Citrus Research Institute, Nagpur	626.00	613.98	793.88	709.44	975	813.04	967.61
	Central Institute of Sub Tropical Horticulture, Lucknow	329.00	393.73	640.59	669.93	993.29	992.35	1030
	NRC Grapes, Pune	429.75	429.69	471.83	436.81	538.81	538.54	753.38
	NRC Litchi, Muzzafarpur	417.00	412.97	319.34	320.57	367.15	391.77	517.4
	NRC Pomegranate, Solapur, Maharashtra	487.00	479.17	439.66	451.60	412	412.36	777
19	Temperate Horticulture	2743.90	2091.60	3073.31	2738.53	2984.93	2706.43	3979.32
	Central Potato Research Institute, Shimla	885.00	889.53	1066.50	1066.49	804.8	796.72	763
Sl.No	CENTRAL SECTOR SCHEMES	2017-18		2018-19		2019-20		2020-21
		Revised Estimates	Actual	Revised Estimates	Actual	Revised Estimates	Actual	Budget Estimates

			Exp.		Exp.		Exp.	
	AICRP Potato, Shimla	75.00	75.00	154.00	90.62	202.4	201.21	187.5
	Central Institute of Temperate Horticulture, Srinagar	506.90	434.17	426.36	332.55	450.48	390.23	726.5
	Directorate of Floricultural Research, Pune	309.00	267.24	460.19	446.83	540.32	535.55	503.5
	AICRP Floriculture, Pune	90.00	72.64	77.47	77.31	35	38.05	858.82
	NRC Orchids, Pakyong, Sikkim	361.00	95.54	282.08	115.45	332	141.55	325
	Directorate of Mushroom Research, Solan	399.00	151.94	504.78	504.74	455.93	455.91	430
	AICRP Mushroom, Solan	118.00	105.56	101.93	104.54	164	147.22	185
20	Vegetable Crops	2196.80	1727.14	2512.83	2446.13	2615.07	2601.31	2780.96
	Indian Institute of Vegetable Research, Varanasi	800.00	410.86	736.81	706.81	730	710.64	751
	AICRP Vegetables, Varanasi	356.00	311.36	386.26	386.26	485	465.61	579
	Directorate of Onion and Garlic Research , Rajgurunagar, Pune	519.00	516.60	674.79	660.21	737	713.74	750.06
	Network O&G		0.00		0.00		0.00	
	Central Tuber Crops Research Institute, Tiruvanthapuram	392.80	392.80	535.37	530.42	463	571.87	491
	AICRP Tuber Crops, Tiruvanthapuram	129.00	95.52	179.60	162.43	200.07	139.46	209.9
21	Plantation Crops and Island Ecosystem	3310.55	2337.94	2796.82	2506.07	3073.48	3098.93	3381.12
	Central Plantation Crops Research Institute, Kasargod	1504.00	1254.18	1038.71	834.52	1201.98	1120.30	1621.88
	AICRP Palms, Kasargod	286.00	166.08	163.59	163.59	145	145.63	146.84
	Directorate of Cashew Research, Puttur	333.00	188.67	403.00	343.15	441	429.47	341
	AICRP on Cashew, Puttur	158.00	115.65	120.10	103.98	125	125.00	205.4
	Indian Institute of Oil Palm Research, Pedavegi	493.00	473.14	572.87	564.70	577	550.86	596
	Central Island Agricultural Research Institute, Port Blair	536.55	140.23	498.55	496.12	583.5	727.67	470
22	Arid Horticulture, Spieces and Medicinal & Aromatic Plant	2182.00	1712.20	2150.57	1770.54	2033.00	2041.11	2420.91
	Central Institute of Arid Horticulture, Bikaner	428.00	343.99	404.60	255.17	440	465.41	475
	AICRP Arid Zone Fruits, Bikaner	145.00	143.88	117.33	116.57	70	70.00	121
	Indian Institute of Spices Research, Calicut	576.00	413.72	633.83	464.00	548	547.35	873.39
	AICRP Spices, Calicut	112.00	11.77	161.76	161.04	193	193.00	241.52
	CRP on Phytochemical & High Value Compounds Calicut							
	NRC Seed Spices, Ajmer	414.00	414.00	342.73	342.73	342	357.99	383
	Directorate of Medicinal and Aromatic Plants Research, Anand	387.00	275.55	371.34	317.58	365	332.36	230
	AICRP on Medicinal& Aromatic Plants, Anand	120.00	109.30	118.98	113.45	75	75.00	97
Sl.No	CENTRAL SECTOR SCHEMES	2017-18		2018-19		2019-20		2020-21
		Revised Estimates	Actual Exp.	Revised Estimates	Actual Exp.	Revised Estimates	Actual Exp.	Budget Estimates

	TOTAL	15490.00	12694.28	16575.00	15180.96	17361.00	16885.36	19400.00
2.3	National Agricultural Science Fund							
23	National Agricultural Science Fund	3655.00	3077.30	5075.00	3943.54	5000	3578.72	5500
3	Animal Sciences							
3.1	Animal Science							
24	Dairy Production and Technology	6355.30	6154.72	6727.58	6260.82	7567.25	7301.82	7968.00
	National Dairy Research Institute, Karnal	4075.95	4078.09	4015.16	4177.63	4680	4606.11	4765
	Central Institute for Research on Buffaloes, Hisar	926.85	943.73	1269.73	863.71	1192	1189.08	1267
	Network Project on Buffalo Improvement, Hisar	436.50	370.00	488.28	387.55	580	581.84	648
	Central Institute for Research on Cattle, Meerut	399.00	270.81	364.45	291.11	432	333.73	669
	AICRP on Cattle, Meerut	517.00	492.09	589.96	540.83	683.25	591.06	619
25	Small Ruminants Production and Technology	2385.50	2079.04	3056.55	3070.99	3280.00	3072.25	3669.00
	Central Sheep and Wool Research Institute, Avikanagar	1121.00	988.84	1338.52	1377.12	1484	1391.08	1620
	Network on Sheep Improvement, Avikanagar	203.00	127.34	262.54	228.79	202	286.72	322
	Sheep Seed Project, Avikanagar	125.00	124.89	162.73	156.84	250	144.91	271
	Central Institute for Research on Goats, Makhdoom	444.50	382.54	750.57	766.83	771	676.47	856
	AICRP on Goat Improvement, Makhdoom	492.00	455.43	542.19	541.40	573	573.07	600
26	Animal Nutrition and Products Technology	1525.00	1449.66	1833.34	1784.63	1970.94	1950.05	2141.00
	National Institute of Animal Nutrition and Physiology, Bengaluru	588.00	579.40	739.38	739.26	775.94	774.64	777
	AICRP on Nutritional & Physiological Intervention for Enhancing Reproductive Performance in Animal	195.00	180.45	205.01	200.93	208	197.00	238
	NRC on Camel, Bikaner	315.00	287.59	539.28	500.91	580	575.05	666
	NRC on Meat, Hyderabad	427.00	402.23	349.67	343.54	407	403.36	460
27	Animal Health Management	11163.15	10254.59	10587.88	9800.44	11181.81	10926.27	11544.00
	Indian Veterinary Research Institute, Izatnagar	5541.05	5217.26	5419.85	5046.23	5997.75	5761.26	6187
	Network on Gastro Intestinal Parasitism, Izatnagar	73.00	72.65	75.66	69.87	81.5	77.21	84
	Network Programme on Blue Tongue Disease, Izatnagar	63.00	61.85	69.21	61.17	71	75.21	0
Sl.No	CENTRAL SECTOR SCHEMES	2017-18		2018-19		2019-20		2020-21
		Revised Estimates	Actual Exp.	Revised Estimates	Actual Exp.	Revised Estimates	Actual Exp.	Budget Estimates
	CRP on Diagnostic & Vaccine,	631.00	391.54	578.87	382.30	685	669.83	588

	ICAR-IVRI Regional Station, Bengaluru							
	National Institute of Veterinary Epidemiology and Disease Informatics(NIVEDI), Bengaluru	737.45	697.99	819.36	793.18	771	744.88	858
	AICRP on ADMAS, Bengaluru		0.00		0.00			
	All India Network Program on Neonatal Mortality in Farm Animals, Izatnagar	94.00	86.70	101.03	94.15	104	127.32	102
	All India Network Program on Diagnostic Imaging and Management of Surgical Condition in Animals, Izatnagar	272.00	269.10	94.51	64.78	116	99.36	105
	National Institute of High Security Animal Diseases, Bhopal	946.90	821.68	1025.55	931.97	1041	1048.65	1190
	Directorate of Foot & Mouth Disease, Mukteshwar	1867.75	1796.73	1434.09	1408.86	1285	1294.12	1356
	AICRP on Foot & Mouth Disease, Mukteshwar		0.00		0.00		0.00	
	NRC on Equine, Hisar	688.00	664.40	740.15	696.73	782.06	781.79	769
	National Centre for Veterinary Type Culture Collection, Hisar	249.00	174.69	229.60	251.20	247.5	246.65	305
28	Animal Genetic Resource Management, Production and Improvement	3176.00	3093.32	3746.16	3537.97	4272.00	4250.19	4579.00
	National Bureau of Animal Genetic Resources, Karnal	393.00	386.60	469.41	451.02	494	493.79	780
	Network Project on Animal Genetic Resources, Karnal	103.00	72.76	96.33	97.88	130	136.22	218
	Central Avian Research Institute, Izatnagar	1115.00	1110.53	1204.16	1024.88	1522	1570.37	1355
	Directorate of Poultry Research, Hyderabad	809.00	812.48	1083.02	1073.96	1210	1209.97	1280
	AICRP on Poultry, Hyderabad	274.50	262.48	326.93	326.04	328	335.75	428
	Poultry Seed Project, Hyderabad	481.50	448.47	566.31	564.19	588	504.09	518
29	Pig Production and Hill Animal Agriculture	2592.05	2245.80	2946.49	2489.49	2728.00	2556.56	3099.00
	NRC on Pig, Guwahati	609.60	451.09	645.30	597.51	567	565.37	692
	AICRP on Pig, Guwahati	542.40	525.38	657.86	466.98	590	478.81	660
	Mega Seed Project on Pig, Guwahati	340.70	313.14	344.00	263.40	373	329.71	455
	NRC on Yak, Dirang	484.35	382.41	599.01	598.26	641.08	625.79	692
	NRC on Mithun, Medziphema, Nagaland	615.00	573.79	700.32	563.34	556.92	556.88	600
	TOTAL	27197.00	25277.14	28898.00	26944.33	31000.00	30057.15	33000.00

Sl.No	CENTRAL SECTOR SCHEMES	2017-18		2018-19		2019-20		2020-21
		Revised Estimates	Actual Exp.	Revised Estimates	Actual Exp.	Revised Estimates	Actual Exp.	Budget Estimates
3.2	Fisheries							
30	Management of Marine and Coastal Fisheries and Aquaculture	4887.50	4798.99	5506.00	5337.82	5855.45	5847.59	6670.00
	Central Marine Fisheries Research Institute, Kochi	2057.00	1919.27	2189.00	2039.02	2258.35	2258.34	2690
	AINP Mericulture	295.00	295.00	290.00	272.34	377.61	371.00	380
	Central Institute Brackishwater Aquaculture, Chennai	1220.50	1250.49	1454.00	1453.95	1538.86	1562.76	1690
	AINP on Fish health	184.00	179.14	190.00	189.52	273.66	248.53	295
	Central Institute of Fisheries Technology, Kochi	1131.00	1155.09	1383.00	1382.98	1406.97	1406.97	1615
31	Management of Freshwater Fisheries and Aquaculture	2773.00	2662.90	3424.50	3246.35	3703.64	3494.10	4050.00
	Central Inland Fisheries Research Institute, Barrackpore	955.00	1059.66	1201.65	1211.71	1251.43	1251.43	1390
	Project Directorate of Cold Water Fisheries, Bhimtal	565.00	511.75	668.00	618.41	732.52	729.62	745
	Central Institute of Freshwater Aquaculture, Bhubaneshwar	1253.00	1091.49	1554.85	1416.24	1719.69	1513.05	1915
32	Fisheries Education and Genetic Resource Management	3924.50	3695.59	4303.50	4212.34	4679.91	4669.74	4880.00
	Central Institute on Fisheries Education, Mumbai	2498.00	2345.96	2844.00	2800.37	3007.19	3004.64	3110
	National Bureau of Fish Genetic Resources, Lucknow	1015.50	1003.62	1076.16	1067.19	1199.67	1232.14	1260
	CRP on Genomics, Lucknow	411.00	346.00	383.34	344.78	473.05	432.96	510
	TOTAL	11585.00	11157.48	13234.00	12796.51	14239.00	14011.43	15600.00
4	Agricultural Extension							
33	Agriculture Extension	23251.00	23198.66	20553.00	19781.81	22115.00	19555.07	24250.00
	Krishi Vigyan Kendras (including ATARIs, ARYA, EMF, FF, Dis. Mgmt)	22776.00	22737.98	20006.00	19273.11	21654	19084.68	23742.9
	Directorate of Knowledge Management in Agriculture, New Delhi	475.00	460.68	547.00	508.71	461	470.39	507.1
5	Agricultural Education							
5.1	Agricultural Universities and Institutions							
34	Agricultural Universities and Institutions	65837.00	52207.87	52559.00	44554.05	45000.00	43257.83	48000.00
	Strengthening and Development of Higher Agril. Education in India	60929.00	48969.34	47658.70	39650.92	40691.21	38794.57	44089
	National Academy of Agricultural Research Management (NAARM), Hyderabad	2934.00	2165.98	2900.30	3050.08	3004.79	3002.13	3090
Sl.No	CENTRAL SECTOR	2017-18		2018-19		2019-20		2020-21

	SCHEMES	Revised Estimates	Actual Exp.	Revised Estimates	Actual Exp.	Revised Estimates	Actual Exp.	Budget Estimates
	Central Institute for Women in Agriculture, Bhubaneswar	964.00	289.76	1100.00	953.20	732	819.35	521
	AICRP Home Science	1010.00	782.78	900.00	899.85	572	641.79	300
	National Agricultural Higher Education Project(NAHEP)	500.00	0.00	20789.00	17314.20	20785	18612.66	23000
	TOTAL	66337.00	52207.87	73348.00	61868.25	65785.00	61870.49	71000.00
5.2	Economics, Statistics & Management							
35	Economics, Statistics & Management	3129.00	2882.27	2766.00	2648.20	2976.00	2864.34	3000.00
	Indian Agricultural Statistical Research Institute, New Delhi +CABIN	2622.20	2476.77	2320.00	2233.39	2421.48	2330.41	2429
	National Institute of Agricultural Economics & Policy Research, New Delhi	506.80	405.50	446.00	414.81	554.52	533.93	571
	TOTAL CENTRAL SECTOR SCHEMES	216646.00	187814.01	250843.00	227141.55	248861.00	236983.22	272900.00
	ESTABLISHMENT #							
1	Secretariat - Economic Service	1445.00	1303.03	1442.00	664.00	1318	607.00	1385
2	Autonomous bodies and Institutions							
2.1	ICAR Headquarter	457409.00	446313.37	505608.00	497179.36	486880.00	480220.85	513775.00
	ICAR Headquarter	457409.00	445422.15	505608.00	497179.36	486880	480220.85	513775
	National Agriculture Innovation Fund (NAIF), New Delhi		891.22					
2.2	Central Agriculture Universities	23550.00	23492.50	36392.00	36390.00	45918.00	45918.00	45980
2.2.1	CAU Imphal	12000.00	12000.00	19120.00	19120.00	18462	18462.00	
2.2.2	Rani Lakshmi Bai CAU, Jhansi	3350.00	3292.50	4316.00	4320.00	8501	8501.00	
2.2.3	RCAU Samastipur, Bihar	8200.00	8200.00	12956.00	12950.00	18955	18955.00	
2.3	National Academy of Agricultural Science (DARE - NAAS & IAUA)	150.00	141.00	196.00	196.00	156	136.00	160
	ASRB			792.00		1484	1484.00	2058
	TOTAL(ESTABLISHMENT)	482554.00	471249.90	544430.00	534429.36	535756.00	528365.85	563358.00
	GRAND TOTAL	699200.00	659063.91	795273.00	761570.91	784617.00	765349.07	836258.00
