

Annexure - 1.1.(i)

Name and address of the Organization:

ICAR - Indian Institute of Spices Research, Marikunnu Post, Kozhikode, Kerala - 673 012

Telephone No.: 0495- 2731410 / 2731753 / 2731345 / 2730550

Fax: 0495-2731187

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Annexure 1.1.(ii)

Head of the Organization:

Dr. Santhosh J Eapen, Director (Acting)

Annexure - 1.1.(iii)

Vision, Mission and Key Objectives:

Vision: "Spicing up the Nations progress"

Mission: To serve the spice growers by conducting goal-directed, peer-reviewed research and educating future generation to be science literate. Out Institute seamlessly integrates research, education and global networking into programs, products and services.

Key Objectives:

The mandate of the institute was revised with effect from 16 May 2016 during the 87th Annual General Meeting of the ICAR Society held on 04 February 2016 ((DARE vide Letter F. No. 13(102)/2015-Cdn.Tech. dated 20 May 2016)

- Basic, applied and strategic research on genetic resource management, crop improvement, crop production and protection technologies for enhanced production of safe spices.
- Transfer of technology, capacity building and impact assessment of technologies.

Coordinate research and validation of technologies under AICRP on Spices

Function and duties :

The Indian Institute of Spices Research (IISR), Kozhikode (Calicut) a constituent body of Indian Council of Agricultural Research (ICAR) is a major Institute devoted to research on spices. In 1976, it started as a Regional Station of the Central Plantation Crops Research Institute (CPCRI), Kasaragod engaged in research on spices.

A National Research Centre for Spices was established in 1986 with its headquarters at Kozhikode, Kerala by merging the erstwhile Regional Station of CPCRI at Kozhikode and Cardamom Research Centre at Appangala, Karnataka. Realising the importance of Spices Research in India this Research Centre was upgraded to Indian Institute of Spices Research on 1st July, 1995.

The laboratories and administrative offices of the institute are located at Chelavoor (50m above MSL), 11 km from Kozhikode, Kozhikode District, Kerala on the Kozhikode - Wyanad road (NH 212) in an area of 14.3 ha.

DIVISION OF CROP IMPROVEMENT AND BIOTECHNOLOGY

Project I: Conservation, characterization and sustainable utilization of genetic resources
of spices

[Project leader: Dr. K.V. Saji]

1. Gen. XXVIII (813): Conservation and characterization of *Piper* germplasm (2008-2020) [Dr. K.V. Saji, Dr. B. Sasikumar, and Dr. Honnappa Asangi]
2. Gen. XIX (813): Conservation, characterisation, evaluation and improvement of *Zingiber* and *Curcuma* sp. (2007-2020) [Dr. D. Prasath, Dr. Aarthi S. & Dr N.K.Leela]
3. Gen. XXXIII (813): Identification of core collection, characterization and maintenance of cardamom germplasm (2012-2020) [Dr. Honnappa Asangi, Dr. Akshitha, H. J., Dr. Ankegowda, S. J., Dr. Mohammed Faisal Peeran and Dr. Balaji Rajkumar].
4. Gen. XXXVII (813): Conservation of vanilla spp. and their utilization in crop improvement (2018-2023) (Dr. Aarthi, S., Mr. Muhammed Nissar V. A., Dr.Mohammed Faisal Peeran & Ms. R. Sivaranjani).
5. Gen. XXXVI (813): Genetic resources management in tree spices (2018- 2023) [Mr. Muhammed Nissar V. A., Dr. J. Rema & Dr. Honnappa Asangi] (External support: Dr. Shivakumar M.S.)

Project II: Development of trait specific and improved varieties of spices through
conventional breeding and biotechnological approaches

[Project Leader: Dr. D. Prasathr]

1. Gen. XXXI (813): Breeding black pepper for high yield, quality and resistance to stresses (2012-2022) [Dr. M.S. Shivakumar, Dr. K. V. Saji, Dr. P. Umadevi & Dr. K. S. Krishnamurthy](Exytternal Support: Dr. A. Jeevalatha)
2. Gen. XXVI (813): Evolving high yielding and high quality nutmeg clones by selection (2007-2021) [[Dr. J. Rema, Dr. K.V. Saji & Mr. V.A. Muhammed Nissar](External support: Dr. N. K. Leela & Dr. S. Aarthi)]
3. Gen. XXXV (813): Genetic improvement in turmeric through seedling selection and hybridization (2013-2020) [Dr. R. Ramakrishnan Nair & Ms. S. Aarthi]
4. Gen. XXXVI (813): Evolving high yielding, biotic and abiotic stress resistant cardamom lines through selection and hybridization [Dr. Akshitha, H. J., Dr. S.

J.Ankegowda, Dr. Balaji Rajkumar, M and Dr. Shivakumar M. S.]

5. Biotech. XIV (813): DNA fingerprinting and barcoding in spices (Dr. T.E. Sheeja & Dr. Shivakumar M.S. (2018 - 2023)
6. Biotech. XV (813): Identification & characterization of gene editing targets for Ralstonia resistance in ginger (2018-2021) (Dr. P. Umadevi & Dr. A. Jeevalatha)
7. DBT-CIB VIII: Survey, identification and characterization of unique ginger and turmeric landraces endemic to North Eastern Region (NER) of India (2018-2021)(Dr. D. Prasath & Mr. V. A. Muhammad Nissar)
8. DUS project: Dr. K. V. Saji, Dr. J. Rema, Dr. D. Prasath, Dr. Aarthi S. (External support: Dr. Shivakumar M. S.).
9. DBT-CIB IX: Quality enhancement of turmeric through comparative evaluation of genotypes for nutritional and quality profiles for sustainable turmeric production [Dr. D. Prasath, Dr. N. K. Leela & Dr. Aarthi S.]
10. DBT-CIB IX: Quality enhancement of turmeric through comparative evaluation of genotypes for nutritional and quality profiles for sustainable turmeric production [Dr. D. Prasath, Dr. N. K. Leela & Dr. Aarthi S.]

DIVISION OF CROP PRODUCTION and POST HARVEST TECHNOLOGY

Project III: Development of resource conservation and management technologies for improving productivity of spices
[Project leader: Dr. K. Kandiannan]

1. Phy. X (813): Evaluation of black pepper and cardamom elite lines for yield and quality under moisture stress (2010–2020) [Dr. S.J. Ankegowda, Dr. K.S. Krishnamurthy, Dr. M. Alagupalamuthirsolai & Dr M.S. Shivakumar]
2. SSC VI (813): Nutrient cycling and soil C sequestering potential of spice crops under different management systems (2011-2019) [Dr. V. Srinivasan, Dr. R. Dinesh, K.S. Krishnamurthy (External Support: Dr S.J. Anke Gowda, Dr A. Ishwara Bhat & Dr. M. Alagupalamuthirsolai]
3. ICAR Mega Seed Project (Agr. XXXVII(813)): Production of nucleus planting materials of improved varieties of spice crops (2006-2022) [Dr. V. Srinivasan, Dr. K. Kandiannan, Dr. S.J. Ankegowda, Dr. T. E. Sheeja, (External support: Dr. J. Rema, Dr. D. Prasath, Dr.R. Praveena, Mr.M. Nissar)
4. AGR. XXXI (813). Development of fertigation schedule for better productivity in black pepper (2015-2018) [Dr. C.K. Thankamani, Dr. K. Kandiannan and Dr. M.

Alagupalamuthirsolai]

5. Phy. XII (813): Physiological interventions for yield improvement in small cardamom (*Elettaria cardamomum* Maton) under weather extremities (2016-2021) [Dr. M. Alagupalamuthirsolai, Dr. Sharon Aravind & Dr. M. Murugan] (External support: Dr. S.J. Anke Gowda)
6. Biochem. X (813): Study on spike abscission: Developing chemically induced method for harvesting black pepper (*Piper nigrum* L.) (2018-2022) [Dr. Anees K., & Dr. Biju C.N.] (External support: Dr. K.S. Krishnamurthy)
7. Phy. XIII (813) Development of drought mitigating physiological strategies in black pepper (2019-2020) [Dr. M. Alagupalamuthirsolai & Dr. C. K. Thankamani] (External support: Dr. K. S. Krishnamurthy & Dr. C. Sarathambal]

Project IV: Development, refinement and demonstration of integrated cropping system for improved total factor productivity in spices
[Project Leader: Dr. V. Srinivasan]

1. Hort. VII (813): Evaluation of nutmeg for its suitability for high density planting (2011-2021) [Dr. J. Rema, Dr. Sharon Aravind & Dr. C.K. Thankamani]

Project V: Development, refinement and demonstration of organic production technology of spices for improved productivity, quality and soil health
[Project leader: Dr. C.K. Thankamani]

1. ICAR-CPPHT-1: Network project on organic farming (2007-2020) [Dr. C.K. Thankamani, Dr. V. Srinivasan, Dr. R. Praveena, Dr. C. Sarathambal, & Dr. S. Shanmughavel]
2. ICAR-CPPHT-2: Network on Organic Farming in Horticulture Crops (2014-20) (Dr. V. Srinivasan, Dr. K. Kandiannan, Dr. R. Dinesh & Mr Honnappa Asangi) (External support: Dr. S.J. Anke Gowda, Dr.C.N. Biju & Dr C.M. Senthil Kumar)

Project VI: Development and refinement of post harvest handling, processing and value addition technologies for minimization of post harvest losses and diversified use of spices
[Project leader: Dr. N.K. Leela]

1. ICAR-CPPHT-3: Network project on high value compounds and phytochemicals (2014-2020) (Dr. N.K. Leela, Ms. R. Sivaranjani & Dr. Santhosh J. Eapen,)

2. Biochem. IX (813): Evaluation of chemo-diversity and microencapsulation of selected spices (2018-2023) [Ms. R. Sivaranjani] (External Support: Dr. Leela N.K. & Dr. Anees K.)
3. CPPHT VIII (813): Pesticide residue monitoring of major spices (Dr. Anees K., Dr. N. K. Leela, Dr. C. M. Senthil Kumar & Dr. Balaji Rajkumar)
4. CPPHT IX (813): Functional product development of spices through value addition and by-product utilization [(Dr. E. Jayashree, Dr. Anees K & Dr. B. Dayakar Rao (ICAR- IIMR, Hyderabad)]
5. DST-CPPHT-1: Aflatoxin management in spices: Development of novel preventive methods (Dr. Anees K., Dr. E Jayashree, Dr. C, Sarathambal, Muhammed Fahim Ansari)

DIVISION OF CROP PROTECTION

Project VII: Bio-intensive management of pests in spices
[Project Leader: Dr. T.K. Jacob]

1. ICAR-CP 1. ICAR-Consortium research project on borers in network mode (2014-2019) [Dr. C.M. Senthil Kumar, Dr. T.K. Jacob & Dr. M. Balaji Rajkumar]
2. Ent. XV (813): Integrated management of mealy bug (Pseudococcidae: Hemiptera) infesting black pepper (2019 – 2022) [Dr. M. Balaji Rajkumar & Dr. C. M. Senthil Kumar]
3. Nema. VII (813): Prevalence of lesion nematodes in turmeric growing tracts of India and their economic significance (2018-2022) [Dr. C. Sellaperumal, Dr. Santhosh J Eapen & Dr. R. Praveena]

Project VIII: Integrated management of fungal and bacterial diseases of spices
[Project leader: Dr. C.N.Biju]

1. Path. XXIV (813): Surveillance, documentation and development of decision support system for pests and diseases of major spice crops (2016-2020) [Dr CN Biju, Dr. Santhosh J. Eapen, Dr. A. Ishwara Bhat, Dr. C. M. Senthil Kumar, Dr. Lijo Thomas, C. Sellaperumal & Mr. K. Jayarajan] (External Support: Dr. R. Praveena, Dr. Mohammed Faisal Peeran & Dr. M. Balaji Rajkumar)
2. Path. XXVIII (813): Novel strategies for managing bacterial wilt and soft rot diseases of ginger (2018-2022) [Dr. Biju C. N. & Dr. Mohammed Faisal Peeran]

3. Path. XXVII (813): Development of microbial biostimulants for growth promotion and disease resistance in major spices (2018-2021) [Dr. C. Sarathambal & Dr. A. Jeevalatha] (External support: Dr. Mohammed Faisal Peeran & Ms. R. Sivaranjani)
4. Path. XXIX: Strategic approaches for management of black pepper diseases (2019–2024) [Dr. Biju, C. N., Dr. A. Ishwara Bhat, Dr. Praveena, R., Dr. A. Jeevalatha, Dr. Mohammed Faisal Peeran, Dr. C. Sellaperumal & Dr. Santhosh J. Eapen] (External support: Dr. V. Srinivasan)
5. Path. XXX: Development and formulation of Plant Beneficial Rhizosphere Microorganisms (PBRMs) for disease antagonism, soil nutrient solubilisation and plant growth promotion (2020-2024) [Dr. R. Praveena, Dr. R. Dinesh & Dr. C. Sarathambal] (External support: Dr. V. Srinivasan)

Project IX: Development of diagnostic kits and integrated management of viral diseases of spices

[Project Leader: Dr. A. Ishwara Bhat]

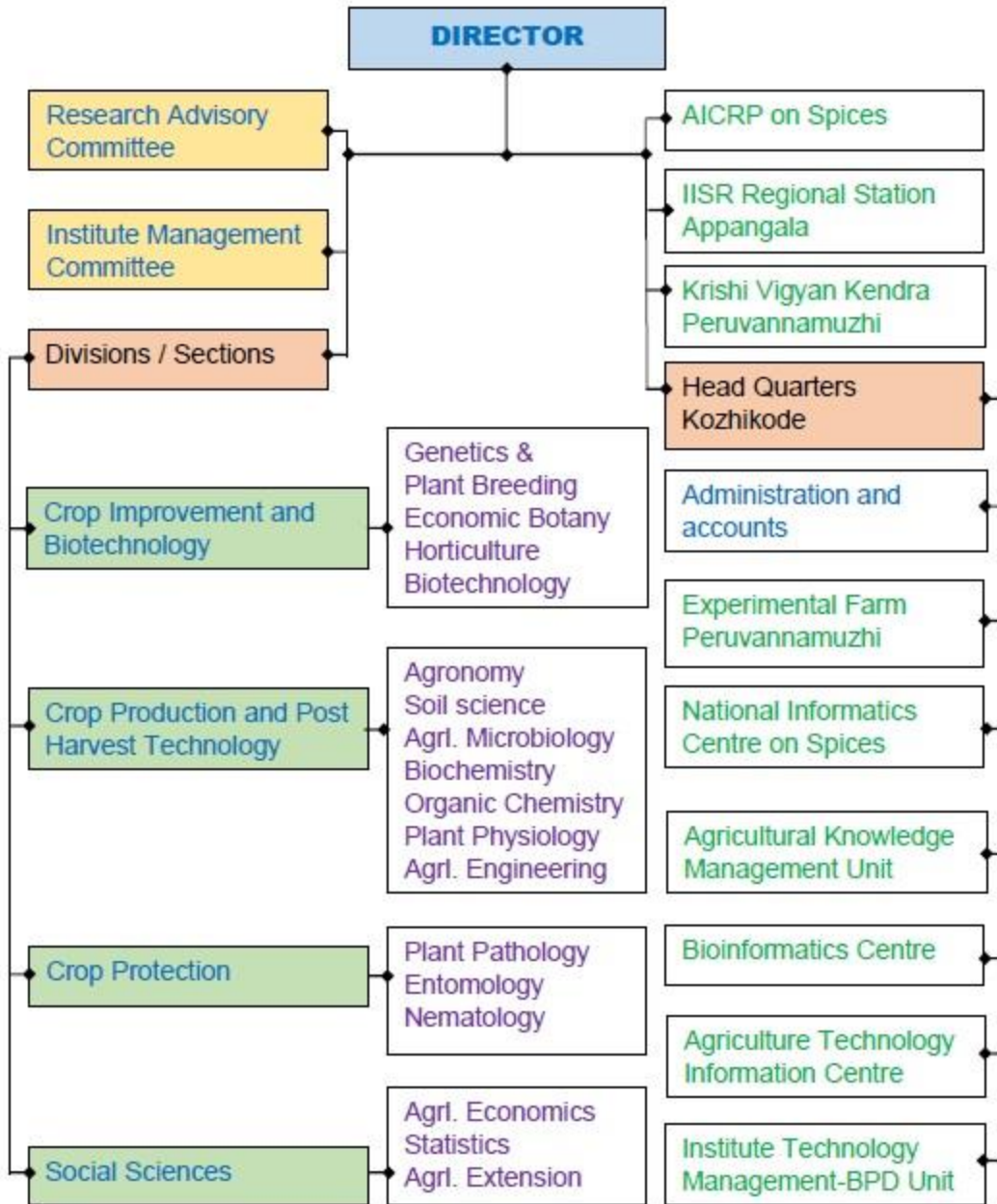
1. DBT CP-VII: Characterization of episomal and endogenous pararetroviruses infecting black pepper (2018-2021) [Dr. A. Ishwara Bhat & Dr. K.S. Krishnamurthy]

DIVISION OF SOCIAL SCIENCES

Project X: Improving knowledge and skill of stakeholders for increasing production of spices

[Project Leader: Dr. P. Rajeev]

1. Ext. VI (813). Capacity building and front-line intervention programmes for spice sector development in NE states and tribal empowerment (2014-19) (Dr. P. Rajeev & Dr. Lijo Thomas)
2. Eco. IV (813): Developing models for enhancing technology and policy impact in spices sector (2020-2025) (Dr. Lijo Thomas; Dr. P. Rajeev & Mr. K. Jayarajan)



Annexure - 1.2 (i)

ICAR - IISR is headed by the Director, who looks after the management of research and administration of the Institute. One Administrative Officer and two Assistant Administrative Officers {Assistant Administrative Officers (Estt.) and Assistant Administrative Officer (Stores/Works)} assist him at the Headquarters. They are assisted by administrative staff belonging to different categories such as Assistants, Personal Assistant, Upper Division Clerks, Lower Division Clerks.

The administrative wing is organized into Establishment-I, Establishment-II, Bills, and Cash and Despatch Section each headed by AAO (Estt.). Major/Minor purchased under Stores, Major/Minor Works and Stock Entry Section is headed by Asst. Administrative Officer (Stores/Works). Adequate administrative powers have been delegated to the Assistant Administrative Officers. The Assistant Administrative Officer (Estt.) is declared as Drawing & Disbursing Officer to ensure prompt and efficient settlement of personal claims.

The 'Financial' control is concerned, Director is assisted by a Finance & Accounts Officer, with one Asst. Finance & Accounts Officer and other staff members. The Finance & Accounts Officer also deals with financial matters of Experimental Farm, Krishi Vigyan Kendra and Regional Station in respect of the Institute.

ICAR - IISR Regional Station, Appangala:

The Head of the Regional Station located in Hervanad village of Madikeri Taluk, Kodagu, Karnataka on the Madikeri- Bhagamandala Road, 8 km away from Madikeri, in an area of 17.4 ha. situated at Madikeri, Karnataka, is delegated with the required powers for smooth functioning of the Station. He is assisted by one Assistant Administrative Officer, and one Lower Division Clerk. So far as the Research Centre is concerned, it is headed by Scientist Incharge who has been declared as the Head of Office and Asst. Administrative Officer will act as Drawing & Disbursing Officer.

Experimental Farm, Peruvannamuzhi

The research farm is located 51 km north east of Kozhikode in an area of 94.08ha at Peruvannamuzhi. The IISR Experimental Farm at Peruvannamuzhi was established of leased out land from the Govt. of Kerala during 1976. Various crops are grown here consisting of both experiments and bulk plantings. A total of 38.0 ha area is covered with permanent crops and 15 ha are under forest for future needs. The remaining area is being developed for various plantings, roads, buildings etc. in a phased manner. The farm consists of 250 acres of forest land.

The area was clear felled and experimental planting of black pepper, ginger, turmeric; tree spices, vanilla and paprika are taken up. The average annual rainfall varies from 4300 to 5300 mm. The

temperature ranges from 23-40°C and the sunshine hours received per month varies from 45 to 260 numbers of hours of bright sunshine. The soil is lateritic but shallow with a pH of 6 to 6.5.

Objectives

The farm was started to provide necessary infrastructure for conducting research both basic and applied to tackle the burning problems of the spice industry. Besides, it also serves as demonstrations, provide training material and essential planting materials to the public.

Activities

The activities of the farm consist of maintenance of all field experiments of germplasm breeding agronomic and plant protection disciplines pertaining to black pepper, ginger, turmeric, tree spices, vanilla and paprika. Maintenance of non-mandatory crops such as coconut, areca nut, miscellaneous fruits and trees and other infrastructure of the farm, taking up new plantings, soil conservation work etc. are important activities. Planting material production is done in large numbers under the Integrated Programme for Development of Spices and Revolving Fund of KVK for all spices and other horticultural plants. Research programmes of Adhoc Schemes, NATP, Pepper Technology Mission, ATIC are also executed in the farm. The watch and ward is carried out through separate security arrangements. Large number of farmers visits the farm and they are also taken around and shown the various trials on a routine basis besides advisory service to these people. The farm focuses on intensive production of nucleus planting materials. The in situ conservation of spice genetic resources is done at this location.

Krishi Vigyan Kendra, Peruvannamuzhi

Krishi Vigyan Kendra was established at the Experimental Farm, Peruvannamuzhi during 1992 for effective transfer of technology to the farming community. The KVK organizes training programmes and field demonstrations on proven technologies in farmers' field, exhibitions and kisanmelas on agriculture, animal husbandry, fisheries and home science for the benefit of farmers, unemployed women, youth and development workers. The KVK has a farmers training cum administrative building and a farmers hostel. The KVK also has 20 ha of land with spices, coconut, arecanut and cashew plantations and an orchard comprising of miscellaneous fruit plants. A small area is maintained as forest for ecological stability.

Services

- Farm Advisory Services
- Production and supply of *Trichoderma*
- Supply of improved breeds of chicks
- Plant and Animal Health Centre

Schedule III

Powers* delegated to the Directors of Research Institutes/Laboratories and other field officers declared as Heads of Departments *vide* ICAR letter No. F. II(4)/75-Cdn (A&A) dt. 1.4.1977 (Appendix I) and modified *vide* Order No. 6-2/90-Cdn (A&A), dt. 4.2.1993, 28.5.1993 and 29.3.1994, OO No.6-3/92-Cdn &A) dt. 28.7.1992]

| S. No. | Nature of power | Extent of power | Remarks |
|--|---|---|---------|
| 1 | 2 | 3 | 4 |
| I Powers under Fundamental Rules and Supplementary Rules: | | | |
| 1. | Grant of special pay to LDC/UDC/Astt.. Appointed to perform the duties of Cashier | Full powers including allowing special pay for a period of 30 days and above subject to the provisions in FR & SR and other conditions laid down by the Govt. of India, Ministry of Finance, and rates prescribed for the purpose from time to time | |
| 2. | Power to dispense with medical certificate of fitness before appointment to Council's Service in individual cases (FR 10) | Full powers in the case of employees for whom Director is the appointing authority | |
| 3. | Power to suspend a lien (FR 14) | Full powers, provided the Director is authorized to make appointment to the post on which the lien is held | |
| 4. | Condonation of unauthorized absence for purpose of pension | Full powers subject to GOI/ICAR instructions from time to time | |
| 5. | Power to transfer a lien (FR 14-B) | Full powers, - provided that he is authorized to make appointments to both the posts concerned | |

| | | | |
|-----|---|---|--|
| 1 | 2 | 3 | 4 |
| 6 | Power to transfer an employee/scientist from one post to another within the institute (FR-15) | Full | |
| 7. | Power to fix the pay and allowances and grant personal pay of a Council's servant treated as on duty (FR-9 & FR-20) | Full powers for all employees posted at the Institute unless otherwise directed irrespective of the fact whether Director is empowered to make substantive appointment to the post or not subject to following FR'S, GOI/ICAR instructions issued from time to time | |
| 8. | Powers to grant advance increments on initial appointments | NIL | (Clarified vide o/o No-22 (15) 96-Cdn (A&A) dt. 9.7.96 |
| 9. | Power to appoint an employee to officiate in a vacant post (FR-9 (19) | Full power in cases where Director is competent to make a substantive appointment to the post | |
| 10. | Power to transfer an employee form one post to another (FR-15) | Full powers | |
| 11. | Power to with- hold increments (FR-24) | As per CCS (CCA) Rules | |
| 12. | Power to issue declaration for the purpose of grant of promotion under 'next below rule' (FR-22 (ii)) | Full power in r/o posts for which Director is competent appointment authority | |
| 13. | Power to reduce the pay of an officiating employee (FR-35) | Any authority, which has power to make an officiating appointment to, the post concerned. | |
| 14. | Power to sanction transfer to foreign service in India and Power to fix pay in foreign Service (FR-110(c) and FR-114) | Full power; provided that the pay and TA will be sanctioned as per GOI/Council's instruction. | |
| 15. | Power to decide the date of reversion of employee returning after leave from foreign service | Full powers | |
| 16. | Power to sanction annual increments (FR 24) | Full powers to allow normal increments unless there is an order to withhold the same for which sanction of the competent authority is necessary. | |
| 17. | Power to allow an employee to draw increment | The increment next above the EB will also be released | |

1 next above the Efficiency Bar (FR 25)

2 after the sanction of the competent authority

18. Power to allow an employee to count extraordinary leave for increments (FR 26)

3 Full in cases where Director is the competent authority to sanction extraordinary leave (order dt 30.1.87)

19. Power to grant premature increment on a time scale of pay (FR 27)

4 Grant of higher initial pay on initial appointment not exceeding 5 increments in the case of direct recruits only, provided appointment is to the post created under own powers

20. Grant of NPA to the eligible officers of the Institute

Full in accordance with the instructions issued by the council from time to time. In case of difficulty or doubt in settling any specific case of NPA the same may be referred to the personnel Division of ICAR for clarification/concurrence

0/0 6 (2)/90-Cdn (A&A) part-1 dt. 23.2.96 ✓

21. Power to reduce the pay of an officiating employee (FR-35)

Full powers if he is empowered to make an officiating appointment in the post concerned.

22. Power to sanction the undertaking of work for which an honorarium is offered and the grant or acceptance of an honorarium (FR 46(b))

Full power up to a maximum of Rs 2,500 in each case. In the case of recurring honorarium this limit applies to the total of the recurring payments made to an individual in a year. This limit cannot be exceeded in any case by treating different items of work or same item of work performed at different times of the year as separate for the purpose of calculating of the honorarium subject to other conditions prescribed by GOI/Council from time to time

23. To sanction grant and permit acceptance of honorarium at the rates prescribed under Johl Committee

Full, As per Johl Committee guidelines except for Director himself

0/0 dt. 9.3.04

24. Power to sanction the undertaking of work for

Full power subject to ICAR general guidelines upto a

| 1 | 2 | 3 | 4 |
|--|--|--|--|
| which a fee is offered and the acceptance of a fee (SR-11) | maximum of Rs. 3000/- in each case. In the case of recurring fees, this limit applies to the total of the recurring payments made to an individual in a year | Full power subject to the provisions of the Allotment Rules. | |
| 25. Power to allot residence/to suspend the allotment of a residence and power to direct that an officer on leave shall be considered to be in occupation of a residence (SR-312, 313) | Full power subject to the provisions of the Allotment Rules. | | |
| power to permit an officer to store furniture etc. in a residence during temporary absence (SR-316) | | | |
| 26. Power to estimate probable cost of maintenance and repairs of leased residences (SR-321&330) and of Council's residences (SR-322& 331) | Full power subject to guidelines issued from time to time on the subject | | |
| 27. Power to determine rent for certain Services & the estimated capital cost (SR-325& 334) | Full power subject to ICAR guidelines | | |
| 28. Power to determine charges for electric energy and water & meters & to fix charges for the electric energy and water where no meters are provided (SR-325&334) | -do- | | |
| 29. Power to group a number of residences for purposes of assessment of charges for electric energy, water and meters (SR-325& 334) | -do- | | |
| 30. Power to appoint a Council's employee to hold temporarily or to officiate in more than one post and to fix the pay of subsidiary posts and the amounts of compensatory allowance to be drawn (FR 49) | Full powers provided he is empowered to appoint a Council's servant permanently to each of the posts concerned | | |
| 31. Power of Re-deployment of a post within the Institute | Full | | 0/0 No-6-1/2004-Cdn (A&A) dated 31.3.05 |
| 32. Power to retain a Council's employee other | Full powers in the case of employees of non-Gazetted | | Full, if he is empowered to grant leave The powers delegated against items 14, 15 & 16 |

1
2
than ministerial servants, in service after the age of 60 years (FR 56(a))

3
status provided the extensions are limited to the period of one year at a time. This is subject to orders issued by Ministry of Home Affairs from time to time

4
will be exercised subject to observance of the procedure and restrictions contained in Govt. of India, Min. of Home Affairs O.M.No. 26/11/68-Esst. (B) dated 17.6.69 and such other restrictions as are imposed from time to time

33. Power to forward the applications of officers of combined cadres of Admn & Finance & Accounts officer

Full

Subject to the condition that the application be forwarded for direct recruitment posts on permanent absorption basis only for the outside organizations. The intimation will be sent to council (ICAR No.33 (9)/2004-Esst-1 dt. 3.3.05

34. Power to require a medical certificate of fitness before return from leave

Full, if he is empowered to grant leave

35. Power to sanction casual leave

Full, including for himself

36. Power to sanction Earned Leave, Half pay leave commuted leave, Leave not due, Extraordinary leave, Maternity leave, Hospital leave, Seamen's, Sick leave, Special Disability leave.

Full powers to grant leave including special disability leave, excepting for himself provided no officiating arrangements are involved in respect of posts, which the Director is not competent to fill up. (This includes sanctioning of study leave and extra ordinary leave for pursuing higher studies. The exercise of this power will be subject to observance of FR, SR (Leave Rules) and all relevant rules of Govt. of India/ Council in this regard) (Order dt. 4.2.93). If the Govt servant is in foreign service the authority which sanctioned the transfer to foreign service

37. Power to extend leave

Full powers, provided the original leave was sanctioned by the Director and the employee on his return will be under his administrative control.

38. Power to sanction transfer to foreign service in India (FR110(c))

Full powers in the case of employees for whom Director is the appointing authority

39. Power to fix pay in foreign service

Full powers subject to observance of rules and orders issued by Ministry of

1
Also see
SR No. 111
2

40. Power to sanction the undertaking of work for which a fee is offered and the acceptance of fee (SR 11)

3

Finance/Home Affairs
Up to a maximum of Rs 3000-00 in each case except in their own cases for which Council's approval is necessary. In the case of recurring fees, the limit would apply to the total amount of recurring payment made to an individual in a year
Full powers in consultation with FAO

4

Subject to the conditions laid down (SR11&12)

not clear

41. Power to declare the grade in which a part time or fee paid employee shall rank

42. Power to decide the shortest of two or more routes (SR 30(b))

Full powers for journeys within their jurisdiction

43. Power to allow mileage allowance to be calculated by a route other than the shortest or cheapest (SR 31)

Full powers for journeys within their jurisdiction, provided that the selection of such route is in the interest of the Council

TA by longer route is not admissible in cases where the journey cannot be performed by the shortest route due to non-availability of reserved accommodation of the entitled class by that route

44. Power to decide in cases of doubt or hardship, the class of steamer accommodation to which a Council's employee is entitled (SR 42)

Full

45. Power to sanction travel by air to Non-entitled officials (SR 48(b) (ii))

The Directors of IARI, IVRI and NDRI and deemed universities will have full power. The Director of other Institutes will have power in respect of tour journeys on the routes for which general permission is granted by orders issued by Govt. from time to time. This power may be exercised in respect of the officers of the grade for whom the general permission is given Order dt. 4.2.93 No. 6-2/90 Cdn (A&A) As per 0/0 No. 6-1/204-Cdn (A&A) dated 15.06.5 Directors of all Institutes located in N.E. and to the Director CARI and also Director of Institutes in relation to the staff working at the Regional station at Lakhsadweep have been

ICAR 0/0 No-6-1/2004-Cdn(A&A) dated 9.3.2004

- 1 2 3 4
46. Power to sanction air travel in r/o Non-official members by economy class
- delegated powers to grant Air Travel to non-entitled officers on emergency/ health ground
Directors can sanction air travel in r/o Non-official members who are attending sub- committee meetings/ panels etc subject to fulfillment of rules & orders issued from time to time by economy class and subject to the conditions laid down in ICAR circular No. 10-4/89-Cdn (A&A) dt. 26.6.90
- (0/0 No-6-3/98-Cdn (A&A) pt dt. 14.2.2002
47. Power to sanction of refund of cancellation charges on air (including himself)
- Full, subject to the conditions mentioned in Govt. of India/Min. ticket ' of Finance OM No. 19028/5/76 EIV-(B) dt. 21.1.77.ICAR ' order dt. 30.1.87
48. Power to prescribe Headquarters of the. Institutes employees (SR 59)
- Full powers
49. Power to define the limits of Institutes employees' sphere of duty (SR 60)
- Full powers
50. Power to decide whether a particular absence is absence on duty (SR 62)
- Full powers
51. Power to restrict the frequency and duration of journeys (SR 63)
- Full powers
52. Power to permit the recovery of the actual cost of conveying camp equipment, etc. and to limit the number or weight (SR 81(a) & (b))
- Full powers
53. Power to permit the recovery of the actual cost of the conveying camp equipment between places connected by road only (SR81(c))
- Full powers
54. Power to permit the recovery of the actual cost of maintaining camp equipment during a halt at or near Headquarters (SR91)
- Full powers
55. Power to allow free-
- Full powers in case of the

1 passage to a person joining a post by sea (SR 108)

2 persons appointed by the Director

56. Power to extend the time limits of six months and one month within which the members of the family of Council's employee may be treated as accompanying him in individual cases attendant with special circumstances (SR 116(b)(iii))

3 Full powers

57. Power to prescribe the scale of tents to be carried at Council's expense on transfer (SR116(c))

4 Full powers

58. Power to disallow TA for journey to attend an obligatory examination if the Director considers that the candidate has culpably neglected the duty of preparing for it (Proviso 2(i) to SR 130)

Full powers

59. Power to permit recovery of TA for a journey to attend an examination other than those mentioned in SR130 &131 (SR 132)

Full power in the case of departmental examination

60. Power to sanction TA as for a journey on tour to a Govt. servant who is required while on leave in India to perform any Council's/public duty at a place other than one where he is spending his leave (SR 135)

Full powers, provided TA may not be granted for a journey while proceeding on leave or while returning from leave

61. Power to sanction TA as on tour to an employee who proceeds on regular leave from a tour station and resumes duty at another tour station or who proceeds on regular leave from HQ and resumes duty at a tour station after the expiry of regular leave (SR-135)

Full power

Provided that T.A. is granted from the place where E.L. is spent to the place of tour limited to that admissible between HQ/tour station and the other tour station.

62. Power to sanction T.A. as on tour to an employee who proceeds on regular leave while on tour and returning direct to HQ on the expiry of leave (SR-135)

Full powers

Provided leave is taken due to reasons beyond the control of the employee such as his own illness/or serious illness/ death in family and the period of leave is kept to minimum called for in such situations. The T.A. admissible will be that from the place

where leave is spent, or the tour station from where he proceeds on leave, to HQ whichever is less.

63. Power to allow the actual cost of a journey to appear before a medical board, preliminary to voluntary retirement or invalid pension (SR 160(b))

Full powers

~~64.~~ To organize training programs and fix fee and sanction honorarium

To Directors of Deemed Universities & National Institutes

Not for private sector. The honorarium may be regulated as per Johl committee guidelines issued by council 0/0 6-1/2004 Cdn (A&A) dt. 9.3.2004

65. (a) Power to sponsor candidate for short term training course and count the period spent on training as duty

Full, subject to conditions laid down in Govt. of India, Ministry of Finance Memo. No. F. (71) Estt.III/60 dated 2.12.60 as modified from time to time

b) Power to decide the rates of TA admissible to a Council's employee deputed to undergo a course of training (SR 164)

Full to the extent and subject to the conditions prescribed by Govt. of India/ ICAR from time to time

In the case of Directors themselves, the power will be exercised by DG, ICAR

66. Power to fix amount of hire charges when a Council's employee is provided with means of locomotion at the expense of Central/ State/Public Sector Undertaking, etc. but pay all cost of its use or propulsion (SR 183)

Full Power

~~67.~~ Power to grant TA or actual travelling, hotel and carriage expenses instead of T.A, to persons not in council's service attending commissions of enquiries etc or performing public duties in an honorary capacity, and to declare the grade to which such persons shall be considered to belong for purposes of grant of T.A (SR-190 (a)& (b))

Full powers

~~68.~~ Power to delegate the power conferred upon them under SR-190 (a) & (b) to the person presiding over the commission etc. (SR-190 (c))

Full power

69. Power to declare who

Full powers, provided that

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should be controlling officers (SR 191)

the Director may not declare a Council's employee to be his own controlling officer

70. Power to make rules for the guidance of controlling officers (SR 195)

Full powers

71. Power to accept a certificate signed by any registered medical practitioner as evidence of the fitness of and employee of non-gazetted status to return to duty (Rule 19 of CCS (Leave) Rules)

Full powers

72. Power to grant leave to a Council's employee in respect of whom Medical Committee has reported that there is no reasonable prospect that he will ever be fit to return to duty (Rule-20 of FR, SR-Part-111-L.Rules)

Full powers where the Directors are empowered to grant leave

The enhanced powers -will be exercised by the Directors with the concurrence of the Managing Committee

73. Power to sanction study leave to the officers of combined code of Admn & Finance working at their Institutes

Full powers

Subject to the condition that no substitute is asked for from the council (O/O 6-3/98-Cdn (A&A) Pt dated 4.10.02

74. Power to extend joining time on certain conditions within a conditions within a maximum of 30 days (Rule-4 (5) CCS (Joining Time) Rules

Full powers

75. To sanction tour programme and counter-signature of TA bills

Full powers for all including self. Only the tour programme of the Directors should be sent to DG, DDG and Secretary, ICAR, by name. Normally tour should be arranged for ten days in a month and within their jurisdiction. In case of tour more than 10 days in a month prior approval of DDG is needed.

76. Power to sanction reimbursement of cancellation charges on unused railway tickets

Full powers

77. Authorizing the Institute employee to proceed on duty to any part of India.

Full powers

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| 78. Powers to abolish a post | Full in respect of posts for which Director has power for creation | |
| 79. Power to make appointments | Full in respect of Group C and D posts. In respect of Group B posts subject to the approval of the appointment by the Selection Committee to be appointed for the purpose. The Directors of National Institutes are appointing authority upto T-9 in Tech. Category | The power is subject to the Recruitment Rules and the Byelaws of the ICAR and also subject to the availability of such posts 0/0 No-6-1/2004 Cdn (A&A) dt 9-3-2004 |
| 80. Approval of Tech. Assessment Committee proceedings. | Director of National Institutes upto T-9 & others upto T-5 | 0/0 No. 6-1/2004 Cdn (A&A) dt 9.3.2004 |
| 81. Tech. Assessment Committees DPC'S nomination of chairman & Members | -do- | -do- |
| 82. Power to make officiating appointment to a vacant post (including those in continuous chain of vacancies) each of one month or more | Full. To be exercised only in very exceptional circumstances and subject to observance of instructions issued by the Council/ MOF/DOPT from time to time | |
| 83. Power to make ad-hoc appointments | Up to one year | Council vide letter No. 10-38/79 Per. IV dt. 28.1.80 has issued further instructions that no appointments on ad-hoc basis should be made by the Director of the Institute. Ad-hoc appointment <u>can</u> be made only with prior approval of the Council. (vide O/O No. 6-2/90-Cdn (A&A) dt. 28,5.93) 0/0 6-1/2004-Cdn (A&A) dt 9.3.04 |
| 84. Powers to declare the completion of probation period | Full powers in r/o posts for which the Director is the appointing authority under intimation to council | |
| 85. Disciplinary powers | According to Classification Control and Appeal Rules 1965 as applicable to ICAR | |
| II Power under Delegation of Financial Powers Rules 1978 & General Financial Rules as amended from time to time | | |
| 86. Re-appropriation of funds | Full powers within the heads specified in the Budget Book subject to: i) General restrictions and Rule 8 of Delegation of Financial Power Rules 1978 ii) No re-appropriation shall be made to augment the provision under such heads | Subject to Bye-Laws of the ICAR |

of accounts where a maximum limit of power has been prescribed

iii) Re-appropriation of funds from one head of account to another head of account as mentioned in the Budget Book would require the approval of Institute Management Committee

iv) Power for re-appropriation of funds from Plan to Non-Plan and vice versa would require the approval of DG/ Secretary, DARE

Note 1: Re-appropriation of funds to augment the provisions of TA is not permitted.

Note 2: Re-appropriation of funds from the head Salary to any other head of account is not permitted w.e.f.

1.4.1995

[OM F. 1(ii) EII (A)/94 dt. 24.2.1995 of MOF (DOE)].

Note 3: Funds shall not be re-appropriated to meet expenditure, which has not been sanctioned by an authority competent to sanction it. Funds shall not be re-appropriated to meet expenditure on-a-new service, not contemplated in the budget of the Institute. The power will further be subject to observance of the other instructions issued by the Govt. of India/ Council from time to time on the subject

(O.O. dated 30.1.87 and No. 6-5/86-Cdn (A&A) dt. 4.2.92

87. Power to incur contingent expenditure in general

Powers under item 65 and sub items (I) to (XXV) there under are to be exercised subject to the provisions of sub-rule (5) of Rule 10 of the DFP Rules 1978 as modified from time to time and subject also to the (i)

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| | | | availability of funds by valid appropriation or re-appropriation within sanctioned budget, (ii) observance of procedure and other directions contained in Central Govt. Compilation GFR (1963) and other existing rules and orders or those issued from time to time (Order dt. 4.2.93) (Also see Annexure 9 to this Schedule). |
| i) Bicycle | | Full | The supplies shall be obtained through DGS&D or against the rate contract where practicable and/or economical, provided budget provision exists for the purchase |
| ii) Conveyance hire | | To the extent mentioned in Column (4) against item 3 of Schedule V of DFP Rules 1978 (item 3 of Annexure to Schedule V of DFP Rules 1978) | |
| iii) Electricity, gas and water charges | | Full | |
| iv) Fixtures and furniture purchase and repairs | | Full | Subject to provision of funds and observance of the required rules and procedures |
| v) (a) Freight charges (b) Demurrage/ warfare charges | | Full | Expenditure on airlifting of stores should be resorted to only in rare cases of extreme urgency. In order to see that this condition is not violated reasons for air-lifting of stores should specifically be recorded and periodical return sent to the Council every six months in September and March (ICAR O.M.No. 4(2)/69 Rcorgn (F&A)/Cdn (A&A) dated 29.5.70) |
| vi) Hire of office furniture, electric fans, heaters, table fans, coolers, clocks and call-bells | | Full | |
| vii) Legal charges for law suits to which Council is a party | | (a) Full powers subject to previous consent of the Council where fee is to be paid in excess of the Schedule of fee laid down in column 4 against item 11 of Annexure to Schedule V of DFP Rules 1978 as revised from time to time | Legal advice may be obtained in advance |
| a) Fees to barristers, pleaders, arbitrators and umpires b) Other legal charges for law suit or prosecution cases as well as for arbitration cases | | (b) Full powers subject to previous consent of the Council | |

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| viii) Maintenance, upkeep and repairs of motor vehicles | Full | |
| ix) Municipal or/ cantonment rates and taxes | Full | The expenditure shall be incurred keeping in view the principles laid down in the Rules for the payment of municipal rates and taxes given in Appendix to DFP Rules 1978 |
| x) Petty works and repairs | Rs 3 lakhs in each case | 0/0 No 2(6) 90-Cdn (A&A) dt 9.2.95 |
| a) Execution of petty works and special repairs to buildings owned by Council/ Institute including sanitary fittings, water supply and electric installations in such buildings and repairs to such installations | | The Director will have power to execute original works and special repairs from any agency of their choice even in places where CPWD has its own formations but subject to the conditions and guidelines prescribed by the GOI/Council from time to time. The petty original works shall also be treated as assets (ICAR circular dt 26.11.02 refers) |
| b) Maintenance and ordinary repairs of office buildings and staff quarters, etc. | Full | Subject to the condition and guidelines issue from time to time by ICAR (circular dt 26.11.02 refers) that the cost of such repairs should be limited to the percentage fixed by CPWD from time to time |
| c) Repairs and alterations to hired and requisitioned buildings | (i) Rs. 30,000-00 in each case (ii) Rs 50,000 per annum non-recurring and Rs 6000-00 per annum recurring | Such expenditure may be incurred only if the landlord refuses to meet the charges himself and when the building is released the Council/ Institute should have the right to remove any installation or material added to the building |
| xi) Posts and Telegraphs charges including commission on Money Orders, etc. | Full | |
| xii) Printing and binding | Full powers subject to the availability of funds in the sanctioned budget for printing of annual reports and other publications | |
| xiii) Purchase of books, periodicals and official publications | Full | Subject to any limitations prescribed by the Council |
| xiv) Rent for ordinary office accommodation | Rs 30,000 p.a. at Bombay, Calcutta and Madras. Rs24,000p.a. at other places (<i>vide</i> order dt. 12.9.83) | (i) Assistance of appropriate local authority such as the PWD or Rent Control Authority may be taken and a certificate of reasonableness of rent obtained before fixing rate (ii) Private accommodation should normally be hired for office/laboratory purposes only (iii) Out houses, if any; which form the part of accommodation-hired should be utilized for storage of stationery, forms, old records |

or for any other appropriate purpose. Where this is not possible these should be let out to Class IV staff and rent recovered from them under the rules in force

(iv) Accommodation should not be hired for a period exceeding 5 years at a time

(v) Lease deeds should be got executed in respect of hired building
0/0 No. 6-3/98 Cdn (A&A) Pt dated 19.12.02

1 2 3 4
xv) Payment of lease rent in accordance with the terms of the lease agreement

Full

xvi) Repairs to plant and machinery equipments, tractors, pumping set, sea/river crafts etc.

Full

xvii) Staff paid from contingencies

Full

Remuneration of such staff should be regulated in accordance with general or special orders issued on this behalf
Subject to availability of funds for this purpose.

xviii) a) Local purchase of stationery stores

Full Powers subject to availability of funds and also, observance of the prescribed procedure

b) Local purchase of rubber stamps and office seals

Full

To avoid the possibility of counter feiting of stamps and seals by a dealer purchases shall be made with caution and from firms of repute only.

xvix) a) Purchase of working stores, chemicals, tools, plants and equipments, insecticides, fertilizers etc.

Full

Subject to availability of budget provision and approval of equipments in the EFC etc.

(b) Maintenance contracts for computer/laboratory equipments

Full

Subject to rules & instructions issued from time to time & Budgetary provision (0/0-6(3) Cdn (A&A) dt 13.5.98

c) Stores required for works

The administrative approval of a Competent Authority for execution of works carries with it the sanction of incurring expenditure on purchase of stores required for the work

d) Emergency nature of purchase (contingent in nature)

Full, if items are already approved or are of contingent nature. In special emergency instances purchases can be made and ex-post-facto sanction may be obtained

0/0 6-1/2004-Cdn (A&A) dt 9.3.2004

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xx) Supply of uniforms, badges and other articles of clothing etc. and washing allowance

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Full

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The issue of uniforms and payment of washing allowance should be regulated in accordance with the Rules and Orders issued by Ministry of Home Affairs/Fin./ICAR from time to time

xxi) Telephone charges

Full powers, subject to observance of restrictions in col. 3 of Annexure to Schedule V of DFP Rules, 1978 as amended from time to time and such other orders as are issued from time to time. The powers do not include installation of new telephones (*vide* O.O. dt. 30.1.87)

xxii) Typewriters, calculating machines

Full

Subject to general or special orders issued by the Council from time to time

xxiii) Indents, contracts and purchase (Rule 13 of DFP Rules, 1978)

Full powers to place indents on the Chief Controller of Printing and Stationery, DGS&D and other Central/State Govt./ Autonomous organizations as pre-deposit parties for procurement of working stores, equipment tools, plants, insecticides, fertilizers, chemicals etc. and to sanction expenditure in case of miscellaneous contracts such as handling contracts, leases etc. subject to the procedures and guideline issued by Govt. of India/ICAR from time to time

xxiv) Sanctioning expenditure on security job.

Full to the Directors of National Institutes and upto 12.50 lakh PA to other (*vide* 0/0 No.6-3/98 Cdn (A&A) pt dt 30.11.06) Institutes (upto Rs. 10.00 lakh to other upto 29.11.06) subject to observance of instructions issued by GOI/ICAR from time to time and budgetary provisions & availability of funds and if needed the agreements may be got vetted by Legal Advisor. The Institutes having

0/0 6(3) 98-Cdn (A&A) dt 17.7.2001 & 0/0 dt 3.3.2000 (upto Rs. 20.00 lakh p.a. to National Institutes & Rs. 1.50 p.a. to other *vide* 0/0 dt 13.12.96)

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| | sanctioned strength of watch & ward staff/ Group 'D' staff and also having labourers of temporary status for the job are, however, required to obtain prior approval of the council with detailed justification & subject to the recommendations of Institutes Management Committee | | i) 0/06/3/98-Cdn dt 13.5.98 ii) 6-3/98-Cdn (A&A) 3.3.2000 and dt 17.7.2001 iii) 6-3/98-Cdn (A&A) Pt dt 30.11.06 |
| xxv) Advertisement charges | Up to the limit of budget provision | | |
| xxvi) a) Writing off losses | Up to Rs 1,00,000.00 for losses of stores not due to theft, fraud or negligence. Rs 20,000 in other cases (For losses exceeding Rs. 1,00,000 the details may be sent to ICAR for placing before GB. | | 0/0 2-1/2000-Cdn (A&A) dt 25.7.01 Powers may be exercised subject to the conditions laid down in GFR and procedure laid down by/Govt. of India and other orders issued by Govt. of India/ICAR on the subject from time to time |
| b) Deficiency and depreciation in the value of stores | Full for which they are competent to sanction purchase. | | 0/0 6-3/98-Cdn (A&A) pt dated 17.4.01 |
| c) Declaration and disposal of obsolete, surplus and unserviceable stores | Full for which they are competent to sanction purchase. By public auction, subject to the provisions of GFR, DFP Rules, 1978 and orders issued by Min. of Finance/ICAR from time to time in general or for particular class of stores | | Enhanced from Rs 5,000 (<i>vide</i> O.O.dt. 4.8.83) 0/0 No. 6-3/98-Cdn (A&A) pt dated 17.4.2001 |
| xxvii) Storing of potato seed material | Full | | To Director, CPRI only (<i>vide</i> ICAR letter No. 24-58/77-E.E Vdt. 6.10.77) |
| xxviii) Consultancy by nomination (GFR-176) | Full | | Subject to GOI/ICAR instructions & budget provision & the procedure (GFR-176) in consultation with F.A. |
| xxix) Outsourcing of Services (GFR-178 & 184) | Full | | Subject to the instructions and procedure prescribed by GOI/Council & subject to budget provision in consultation with F.A. |
| 88. Power to declare any Group 'A' or Group 'B' Officer to be Head of an Office for the purpose of relevant Rules or Drawing and Disbursing Officer <i>vide</i> Rule 10-A of DFP Rule, 1978 | Full | | It is not permissible to declare more than one officer as Head of Office in respect of same establishment unless the two establishments are distinctly separate from one another |
| 89. Expenditure on entertainment and light refreshment | Up to Rs 2.00 lakh (Rs 50,000 from 17.7.01) per | | Subject to restrictions/ norms/ceilings laid down by the Min./Council from time to |

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| | annum in respect of the National Institutes & Rs. 1.00 lakh in others | time are followed & budget exist. 0/0 dt 9.3.04 |
| 90. Gift to high dignitaries | Upto Rs. 5000-00 in each case subject to GOI/ICAR instructions/norms | 0/0 6-1/2004-cdn (A&A) dt 9.3.04 |
| 91. To sanction Misc expenditure of unusual character | Upto Rs. 5000-00 in each case subject to Govt of India/ICAR instruction on this regard and subject to budget provision for the purpose exists. | |
| 92. Alteration of date of birth in respect of staff equivalent to non-gazetted staff (Rule 79 <i>ibid</i>) | Full, in case of a bonafide clerical error | |
| 93. Power to relax the age limit for initial appointment to posts for which Director is the appointing authority (Section I-Appendix 3 of FR and SR Vol. II) | Full, subject to orders issued by Ministry of Home Affairs | See items 1 in Schedule VI also. |
| 94. Investigation of arrear claims | Up to six years of its becoming due | Powers may be exercised subject to provisions of the GFR and orders issued by the Govt. of India/Council from time to time |
| 95. Grant of permanent advances/cash Imprest (Rules 291 of GFR) | Full, subject to the procedure for regulating cash imprest circulated <i>vide</i> Council's letter No. 1(11)/68-A/cs. II dated 5468 as amended/supplemented from time to time | |
| 96. To execute contracts, Deeds, and other instruments for and on behalf of the ICAR | Powers as delegated <i>vide</i> Council's Office Order No. 4(7)/68-Reorgn (F&A) dated 23.11.68 | |
| 97. Form of surety bond to be executed by a Council servant handling cash, stores etc. acceptance thereof | Powers as delegated <i>vide</i> Council's Office Order No. 4(7)/68-Reorgn (F&A) dated 23.11.68 | |
| 98. Grants-in-aid to Staff Clubs etc. | Full | The rate of grants-in-aid will be in accordance with the orders/instructions of the Govt. of India issued from time to time (<i>vide</i> O.O. dt. 4.2.93) |
| 99. Power to accord administrative approval of works | Up to Rs 25.00 lakhs Subject to the conditions that: i) Specific Provision exists | (Upto Rs. 20.00 lakh <i>vide</i> 0/0 dt 9.2.95 & with approval of Management Committee upto 50.00 lakh) |

in the budget for the items of work, and

- ii) Plans and estimates are approved by competent authority, i.e. Director (Works)
- iii) Tenders invited and processed in accordance with the GFR'S/ICAR instructions and a work order issued.
- iv) Prior approval of Management Committees where cost of the individual work exceeds 25.00 lakh but upto Rs. 75.00 lakh is obtained (*vide* O.O. F-3 (25/2002-E 26.11.2002).
- v) The guidelines issued by ICAR *vide* circular dt 26.11.02 are followed.

In respect of works costing Rs. 75.00 lakhs and above the Adm Approval & expenditure sanctions will have to be obtained from DG/ICAR. However Full powers have been delegated to the Directors of National Institutes subject to the condition that the work has been approved by the EFC, budget provision for the said item is available and observance of other rules and orders/instructions issued on the subject including technical vetting by competent authority (0/0 6-1/2004-Cdn(A&A) dated 9.3.04) The repair works estimated to cost upto Rs. Ten lakhs may be directly executed after following the procedure prescribed by ICAR and in GFR-132. Repairs costing above Rs. 10.00 lakh and original works costing upto Rs. ten lakh may be assigned to any public works organization as defined in GFR 126 (2)

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| 100. Grant of advances for purchase of conveyance (Rules 15-30 of GFRs part-II) | Full powers to grant advances excepting himself and subject to the conditions laid down in the GFRs and availability of funds | |
| 101. Exemption of ICAR employees from payment of cost of stamp duty and reimbursement of mortgage deed in r/o Motor car/Scooter Advance | ICAR employees are equated with central Govt employees. | 0/0 9-12/90-Cdn (A&A) dt 24.5.04 |
| 102. Extension of number of installments up to 25 for repayment of cycle advances (Proviso (ii) to GFR-15) | Full | |
| 103. Grant of Advances on first appointment and in connection with Deputation and leave Ex-India (GFR-44-45) | Full | Subject to the provision of GFR |
| 104. Grant of advances for Purchases of warm clothing and table fan (GFR 33.) | Full | Subject to the provisions of GFRs |
| 105. Grant of advance of pay and TA on transfer (GFR-39) | Full | Subject to the provisions of the GFRs |
| 106. Grant of advances in connection with tours (GFRs 48) | Full | Subject to the provisions of GFR |
| 107. Grant of advance in connection with leave travel concession | Full | Subject to the provisions of GFR -52 |
| 108. Grant of advances in connection with festivals (GFR-53-62) | Full | Subject to GFR provision |
| 109. Grant of advances in connection with natural calamities (GFR-64) | Full | Subject to the provisions of GFRs |
| 110. Advances in connection with law suits to which Council is a party (GFR-72) | Full | Subject to the provisions of GFR and Legal Advice being obtained in advance |
| 111. Advances to employees for various deptt. Purposes (GFR-75) | To the extent the Director is competent to sanction expenditure for the purpose | Subject to the provision of GFR |
| 112. Grant of temporary advances including special advances from Provident Fund | Full powers including self. | As admissible under GPF Rules/ CPF Rules 0/0 6-3/98-Cdn (A&A) pl dt 6.9.2003 |
| 113. Advance payment where necessary to: (i) Firms with | A) In respect of Govt. Departments. Govt-run | Subject to GFR provisions and instructions issued by GOI/ICAR from time to time. |

whom annual contracts for servicing of air conditioners, water coolers, type writers etc. are entered into.
(ii) Firms including Central/State Govts. Govt.-run organization for supply of stores (GFR-159)

organizations-upto 40% of the contract value
B) In case of others- subject to the fulfillment of conditions laid down in M.O. Fin. Memo. No.F. 11(11)-E. II (A)/68dated 20.12.68.as amended from time to time 30% of the contract value. For maintenance contract-upto amount payable for six smonths

114. Grant of advance in lieu of leave salary (GFR-76-77)

Full

Subject to provisions of GFR'S

115. Grant of House Building Advances

Full, subject to availability of fund and fulfillment of all the conditions prescribed under the HBA Rules (*vide* O.O. dt 30.1.1987)

Vetting of documents to be done at the institute and in case of doubt loan document ought to be verified by the legal cell of ICAR HQ.

~~116.~~ Exemption for payment of stamp duty and reimbursement of registration fee levied on documents relating to execution of mortgage deeds in r/o HBA

Full subject of the condition that the ICAR employees will be treated at par with central Govt employees. Where stamp duty is charged from central Govt/employees for deeds under HBA scheme the ICAR employees are not entitled for reimbursement of cost. Where central Govt employees are exempted & ICAR employees have been charged they would get the reimbursement on production of proper proof etc.

0/0 No. 9-12/90-Cdn (A&A) dt 6-2-01

117. Grant of advances to the family of an employee left in indigent circumstances upon the death of the employees (GFR-79)

Full powers after following Govt. of India instructions issued from time to time

Subject to the provision in GFR's

~~118.~~ TA to the family of deceased employee (GFR-82)

Full

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119. Reimbursement of medical expenses as admissible under Central Services (Medical Attendance) Rules, 1944 including counter signature of medical bills

Full, Directors will exercise the powers of Controlling Officer/ Head of Deptt. in respect of officers/staff under his administrative control for the purpose of Central Services (Medical

Director can countersign his own medical bills provided the claim is covered by Rules and Orders on the subject. As regards reimbursement of medical expenses in relaxation of Medical Attendance Rules, he may not exercise the power in his own case

| | Attendance) Rules, 1944 as applicable to the Council's employees | |
|---|--|---|
| 120. Reimbursement of medical expenditure incurred in the medical treatment in emergency cases in respect of the employees of the ICAR Institutes | Full powers to the Directors of the ICAR Institutes | ICAR circular No. 3(1)/2001-per-IV dt 12.7.01 |
| 121. Permission for indoor hospitalization treatment to CGHS beneficiaries when the CGHS specialist/specialist of a Govt Hospital refers them for such a treatment and reimbursement of the medical claims there of in r/o the ICAR Institutes where CGHS facilities are available. | -do- | -do- |
| 122. Reimbursement of medical claim of CGHS beneficiaries of ICAR Institutes taking treatment in the recognized hospitals with the prior permission of the CGHS/Govt Hospitals/Officers authorized by the Institute | -do- | -do- |
| 123. Reimbursement of medical claim in r/o serving employees of ICAR Institutes where CGHS facilities are available and where prior permission of CGHS dispensary/Govt Hospital has been taken | -do- | -do- |
| 124. Medical reimbursement cases of the Directors of ICAR Institutes. | Full powers provided the claim is covered by CS (MA) Rules. In cases where any relaxation in CS (MA) rules involving their medical reimbursement is required the matter will continue to be settled at ICAR HQ by concerned SMD in consultation with Internal finance. Division of the Council | -do- & ICAR circular of even No. dt 8.7.02 |
| 125. Grant of Medical Advance to the employees of the ICAR Institutes | Full powers including him self in accordance with section 2 under CS(MA) Rules subject to fulfillment | ICAR No 3(1)/2001-per-IV dt 8.7.2002 |

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| | of other terms and conditions for sanction of advances. | |
| 126. Grant of concession to persons proceeding to Pasteur Institute for Antirabic treatment | Full, as admissible under Rules | |
| 127. Sale and transfer of motor vehicles purchased with the advance from the Council | Full, subject to the provisions of GFRs | |
| 128. Control of staff cars and Vehicles etc. of the Institute | Full | Subject to Staff Car Rules, and Rules and Orders issued for control, maintenance and operation of motor vehicles etc. (For the purpose of Staff Car Rules, Director will exercise the powers of a Head of Deptt.) ICAR No-12-4/98-Cdn(A&A) dt 10.11.2000 and dated 17.6.03 |
| 129. Use of official vehicle for outstation tours | Upto 500 kms one way | |
| 130. Grant of leave travel concession | Director will exercise full powers of Head of Deptt./ Controlling Officer for the purpose of application of Leave Travel Concession Rules to officers/staff under his administrative control except Director himself | |
| 131. Sanction of advance/part/Final withdrawal <u>including</u> from Provident Fund | Full, including self subject to GPF/CPF Rules and Orders issued from time to time | 0/0 No 6-3/98-Cdn(A&A) pt dated 16.9.2003 |
| 132. Sanction of pension to Council's employees provisionally | Full, in respect of officers/staff retiring from a post irrespective of whether the Director is competent to fill the post vacated by the retiring officer/staff, except for himself provided Govt. of India instructions issued from time to time are followed | vide O.O. dl. 4.2.93 |
| 133. Participation in exhibitions and demonstrations of research activity | Upto Rs. 1,00,000-00 (lakh) in each case and full to the Directors of National Institutes. These powers will continue to be governed by procedural, codal and other instructions issued from time to time by GOI/ICAR including general economy instructions etc (6-3/98-Cdn(A&A) pt dated 3.3.03 | Subject to budgetary provision and availability of funds. For organizing exhibitions the M & I unit at ICAR HQ will provide necessary support to the Institutes to develop concepts exhibits, samples etc. The M & I unit at HQ will create own empanelment of Reputed and Talented film makers in order to ensure production of high quality films through out sourcing and has to undertake the task of production of video footages & for production of inhouse |

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| | & (6-1/2004-Cdn (A&A) dt 9.3.2004) | video film and also for media mediated information dissemination (ICAR No. 2(2)/2005-W.S. dt 7-9-2005 |
| 134. Sale of produce | Full by tender and/or auction as may be considered convenient and to the best advantage of the Council subject to: i) Disposal by single tender or negotiation upto a ceiling limit of Rs 5,000 in each case ii) Report to DC at the end of season of quantities produced/ disposed of and prices obtained. Subject also to the conditions that sale will be regulated as per General or Special Orders issued by the Council | Subject to observance of the procedure outlined in ICAR letter No. 8(9)/69-Reorgn (F&A) Cdn (A&A) dated 15.10.1975 (Annexed) |
| 135 Fixation and revision of rates for service rendered by Institute to outside Institutes and parties of bullock carts, threshers etc. | Full | |
| 136. Power to fix rates of seeds, plants and other products of the institute | Full, the fixation of rates may be done on the recommendations of a Committee to be constituted by the Director for the purpose. The Committee may take into account among other factors, previous years rates, market rates etc. and general or special Orders, if any, issued by the Govt. of India/ICAR | |
| 137. Power to fix the rent for auditorium and community centres etc. | Full | |
| 138. Power to declare specific Scientific and Technical posts as outside the Purview of the Reservation Orders | Subject to Council's Office Order No. 2-40/66-Rcorgn (Admn) dated 11.2.70 and orders/instructions issued by Govt. of India/ICAR on the subject from time to time | |
| 139. De-reservation of temporary posts on the ground of non-availability of candidates of reserved community | -do | |
| 140. Permission to officers to attend conferences connected | Full | Subject to ICAR instructions |

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| with agricultural matter | | |
| 141. Newly recruited admn staff | Full | 0/0 6-1/2004-Cdn (A&A) dt 9.3.2004 |
| 142. Power to send samples of products or of culture or of organism free of charge to other Institute | Full | |
| 143. Grant of overtime allowance | Full, subject to conditions laid down by the Govt. of India/ICAR from time to time and subject to budgetary limits | The ceiling of Basic pay of Rs. 2200/- (Pre-revision) for eligibility of OTA shall equally apply to the Drivers/staff car Drivers. |
| 144. Power to sanction expenditure on insurance | Full | Subject to instruction in Council letter No. 5(9)/68-Reorgn (F&A) dated 11.10.1968 modified from time to time |
| i) Power to get as are very costly and are of fragile and delicate nature and where the Railways do not accept insured during rail transit such of the equipments any risk or responsibility for losses due to breakage in transit | | |
| ii) Power to sanction expenditure on the insurance of motor vehicles under Motor Vehicles Act, 1939 and to pay Road Tax, wherever livable | Full | Subject to the provisions contained in Council's letter No. 15(2)/69-Reorgn (F&A) dated 27.10.1969 modified from time to time |
| 145. Power to sanction expenditure on part-time lectures | In case of IARI, IVRI, NDRI, IASRI, CIFE and NAARM only Full in respect of lectures in foreign languages to Ph.D. students (order dt. 4.2.93) | Order dt. 4.2.93 |
| 146. To sanction study and educational tours of PG students | Full for Directors, IARI, IVRI, NDRI IASRI CIFE and NAARM only | Order dt. 4.2.93 |
| 147. Sanction of IARI Fellowships to M.Sc. and Ph.D students | Full for Director, IARI | |
| 148. Creation of special posts for the University side such as Warden, Prefects, Hostel staff, Mess staff, etc. | Full for Directors IARI, IVRI, NDRI, CIFE and NAARM, IASRI in respect of Trainees' Hostel only subject to Compliance with instructions on Creating post issued by Govt. of India/ICAR from time to time (order dl 4.2.93) | |
| 149. Sanction of IASRI | Full for Director, IASRI | Subject to the budget provision and usual |

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|---|---|---|
| Fellowship to the trainees of various courses at IASRI | only | conditions |
| 150. Permission for availing of facilities for the use of the computer centre | Full for Director, IASRI only | |
| 151. Maintenance of Electronic Computer and the Computer Laboratory | Full | Subject to availability of funds in the sanctioned budget and following the procedure for such maintenance etc. |
| 152. Powers for sanctioning cost of repairs of fishing vessels and dry locking hire charges | Full (Upto Rs. 3.00 lakh p.a from 11.10.99 vide order dt 11.10.99) | Subject to the condition that essentiality of repairs and its satisfactory completion by a recognized workshop is certified by the Mercantile Marine Departments and that all rules and instructions on this account are followed and budget provision exists for this purpose 0/0 6-1/2004-Cdn (A&A) dt 9.3.04 |
| 153. Grant of "No Objection Certificate" for obtaining a private passport for visiting foreign countries on private purpose | Full, ^{2204/03} accepting himself after obtaining vigilance clearance subject to the observations of the conditions laid down in letter No.7-10/82-ICI dt. 16.7.82 | |
| 154. Extension of joining time in the case of employees of CARI, Port Blair, while proceeding on leave or returning from leave in cases of enforced halts at Calcutta/Madras on delayed sailing of the ship | Full to the Director, CARI, Port Blair | |
| 155. To sanction air-travel between Port Blair and Calcutta or between Port Blair and Madras to Group A, B, & officers of CARI, Port Blair, while availing LTC/Free Sea Passage | Full to the Director, CARI, Port Blair | |
| 156. Grant of leave ex-India to Officers/ Scientists | Full, subject to the conditions laid down in the Min. of Finance O.M. No. 19036/7/75-E.IV(B) dt. 5.8.76 | |
| 157. Purchase of vehicle in replacement of the condemned vehicle | As per O.O. No. 6(3)/92 Cdn (A&A) dt. 28.7.92 (attached as an annexure) | |
| 158. Premature condemnation & disposal of damaged vehicle | Full | Subject to the existing rules & procedure 0/0 dt 9.3.04 |
| 159. Norms of expenditure to be followed on holding of Workshops, Symposia, | POL Rs 40 per delegate, stationery Rs 40 per head including honorarium to the | This will be the maximum limit and also subject to availability of sanctioned budget provision and the economy instructions of |

| | | |
|--|--|--|
| Conference etc. | typist | the Govt. of India/Council issued from time to time. The other terms and conditions mentioned in O.O No. 20-9/81 Cdn. (A&A) dt. 27.5.82 will continue to be followed except that expenditure on refreshment would be at the rate of Rs 3.50 per head per session, (<i>vide</i> O.O No. 6-2/90 Cdn (A&A) dt. 29.3.94) |
| 160. Forwardal of Applications of the employees | Full for Directors of National Institutes except for Director himself. | 0/0 6-1/2004-Cdn(A&A) dt 9.3.2004 |
| 161. To file patent Applications at the respective Patent office in whose jurisdiction the Institute is located | Full | 0/0 No. 6(2) 2001-Cdn (A&A) dated 1.12.05 |
| 162. Powers in regard to all forms of Intellectual property as per ICAR guidelines operative wef. 2.10.2006 | Full | 0/0 6-2/2001-Cdn (A&A) dt 9.10.06 |
| 163. Powers of grant of Advance for purchase of computer in relaxation of rules | Full | Sanction of computer Advance to the employee in relaxation of minimum basic pay subject to observance of condition laid down in council's letters No-PA/US(cash) 2002 dt 27.6.02 & 8.7.2002 (0/0 No PA/US (cash/2002 dt 11.1.2002) (i) (0/0 No-1(1)/95-Plng (pt iv)dt 25.2.97) (ii) (0/0 No. 1(1)/95-plng (v) dt 17.3.98 |
| 164. Powers to approve schemes for imparting training within the country for various clients in India and abroad, rendering individual and institutional consultancy both national and international as well as contract service and for undertaking contract research with outside organizations- | | |
| (i) For consultancy projects with national agencies upto Rs. 25.00 lakh & Rs. 50.00 lakh with the approval of M.C. | → | |
| (ii) To approve contract research & contract service projects upto Rs. 10 lakhs and Rs. 25.00 lakh with the approval of Management Committee. | → | |
| (iii) To sanction fees/honorarium to the staff of the Institute or other ICAR Institute (S) or any other | Full | |

officer (S) from outside the ICAR system associated with the consultancy/training or contract research or service
 (iv) To fix rates for hiring usage of equipment farm machinery, computer or for rendering other services including contract service

Full

All the above powers at S(i) to (iv) are subject to rules and guidelines on the subject issued by the council

165. Condemnation of motor vehicles and motor cycles

Full subject to the following---

(a) The lives of various types of vehicles in terms of distance run (in kilometers) and length of use (in years) whichever is reached later have been fixed as under--

| <u>Type of vehicles</u> | <u>Kilometers</u> | <u>Years</u> |
|---|-------------------|--------------|
| (i) Heavy commercial motor vehicles | 4,00,000 | 10 |
| (ii) Motor vehicles fitted with engines upto 20hp (RAC) | 1,50,000 | 6 ½ |
| (iii) Motor cycles fitted with engines of 3.5 hp (RAC) or above | 1,20,000 | 7 |
| (iv) Motor cycles fitted with engines of less than 3.5 hp (RAC) | 1,20,000 | 6 |

(b) The life of a tractor shall be taken as 10,000 hours or 10 years whichever is reached later

(c) A vehicle should be condemned only after a certificate has been obtained from one of the following authorities, to the effect that the vehicle is not fit for any further economical use--

- (i) An electrical & Mechanical workshop of the National Airports Authority
- (ii) The workshop of a state Road Transport corporation
- (iii) At locations where workshops mentioned at (i) & (ii) are not available.

Transport workshops under
the central or state Govt
Departments

Note-it should be ensured
that both condemned and
prematurely condemned
vehicles are disposed of as
per the procedure within a
period of three months from
the date of placing of an
order with the manufacturer
for replacement of vehicles.

Footnote bellow Schedule-III

Any action/decision taken by the Director exceeding the powers delegated to him or deviating from the normal procedure and rules will be viewed seriously. (Office Order No.F. 22(15)-96-Cdn (A&A) dt 9-7-96)

Annexure 1 to Schedule III**INDIAN COUNCIL OF AGRICULTURAL RESEARCH
KRISHI BHAVAN, NEW DELHI**

F.No. 6(3)AJ2-Cdn (A&A)

Dated the 28th July 1992

OFFICE ORDER

The question of delegation of powers to the Directors of Research Institutes for the purchase of vehicle in replacement of the condemned vehicle had been under consideration at Headquarters for some time past. The Director-General, Indian Council of Agricultural Research, is now pleased to delegate the powers for the purchase of vehicles in replacement of the condemned vehicle to the Directors of ICAR Research Institutes/Project Directorates/National Research Centres subject to the following conditions apart from Government of India's instructions issued from time to time.

1. Approval of the condemnation of the vehicle by the Institute Management Committee be obtained in each case;
2. The vehicle to be purchased is to replace a condemned vehicle which would have been acquired initially after obtaining due sanctions;
3. The type of vehicle to be purchased is to be the same as the one which has been condemned;
4. There should be a specific provision in the Budget for the purchase of vehicles replacement;
5. The fund should be available during the financial year.

Sd/-**Director (Finance)**

Annexure 2 to Schedule III**INDIAN COUNCIL OF AGRICULTURAL RESEARCH
KRISHI BHAVAN, NEW DELHI**

F. No. 18-7/83-Cdn. (A&A)

Dated the 4th August 1983

To

The Directors of all Research Institutes

Subject:- Enhancement of delegation of powers to Directors of the Research Institutes

Sir,

I am to say that with a view to speeding up procurement of stores required at the Research Institutes, the Council has been considering enhancement of powers of the Director of the Research Institutes for some time past. It has now been decided to delegate enhanced powers to the Directors of Research Institutes as indicated below:

1. Local purchase of stationery stores

Up to Rs.50,000 per annum in cases of delay or/and non-supply of stationery stores by Chief Controller of Printing and Stationery, Govt. of India, subject to availability of funds and that requirement of stationery is assessed by the Institute as per the yardsticks laid down by Chief Controller of Printing and Stationery from time to time

This is applicable in case of Institutes other than IARI, IVRI and NDRI

Direct cash purchase of spare parts without inviting quotations in emergency cases, breakdown of equipment machinery vehicles (other than staff car), Research Vessels where in the absence of immediate replacement of spare parts, the result of research experiment will be lost or production will be lost or the vehicles will be stranded

Up to Rs 2,000 on each occasion subject to the conditions that the purchase is made from the local market through Purchase Committee in which the Accounts Officer should essentially be one of the members.

Declaration and disposal of obsolete surplus and unserviceable stores

By public auction up to Rs 25,000 in each case subject to the provision of General Financial Rules, Govt. of India, Delegation of Powers Rules 1978 and

orders issued by Min. of Fin./ ICAR from time to time in general of the Particular class of stores

2. The following clarifications/instructions on the stores purchase procedure are also issued

i) Purchase by inviting tender from a single firm

Single tender system would arise only in cases of articles which are specifically of a proprietary nature, i.e. produced by only one firm. In each such case prior written approval of Director should be obtained besides ensuring that exact definition of proprietary nature of item is adopted as per the practice prevalent in the DGS&D

ii) Purchase through negotiations

Only incases where open tenders have been invited negotiations, if found necessary, should be held in the presence of the Members of the Purchase Committee with all the tenderers who should be asked to bring down the rates to the desired level. Such negotiations should be conducted in such a manner that reduced rates quoted by a tenderer are kept evidential from other tenderers

iii) Purchase by visiting the market

The purchase of stores by a Committee by visiting the market is not permissible under the rules. However in exceptional cases like: (i) emergent purchases mentioned in paras 1,2above, and (ii)purchase of livestock or any other item of similar nature where it is certified that purchase through quotation/tenders is not possible, the purchase may be made by deputing the Purchase Committee. Such a certificate should be given by an officer at a senior level who will be held responsible for the correctness of the same. For conducting such purchases the said Committee will invariably associate one officer representing the Suite Govt. or Agricultural University of the State where the purchase is made or a

Sister Institute other than the one for which purchase is intended

iv) Cash payment where the purchase is made by Purchase Committee by visiting *major*

The payment through Purchase Committee in case of direct purchases should be made through cheques or bank draft as far as possible. However, where cash payment is unavoidable receipt should be obtained from the party concerned and counter signed by all the Members of the Purchase Committee including representative of State Government/Agricultural University, etc.

v) Maintenance of a list of registered suppliers

Each Institute shall maintain a list of registered supplies which should be updated periodically. Only those suppliers should be enrolled who have a Registered Sales Tax Number

3. These orders will take effect from the date of issue

4. Receipt of this letter may be acknowledged

Yours faithfully,

**Sd/-
Director (Finance)**

Annexure 3 to Schedule III

INDIAN COUNCIL OF AGRICULTURAL RESEARCH
KRISHI BHAVAN, NEW DELHI 110 001

F. No. 6(2)/90-Cdn (A&A)/Part

Dated the 19th December 1994

OFFICE ORDER

The following decisions have been taken in the 163rd SFC/GB meeting held on 5th & 6th October 1993.

1. Hospitality expenses for foreign delegation on lunch/dinner.

Hosting of working lunch/dinner has to be carefully assessed and should be approved at the level of Dy. Director-General with proper need-based decision. Where such exigencies exist and approval of Dy. Director-General concerned is obtained and expenditure may be incurred up to Rs.50 per head for such hospitalities connected with the official transaction of business. The existing norms of Rs.25 per head for refreshment at meetings will however continue as per present orders.

2. Temporary advance out of cash imprest.

Looking into the urgent requirement of scientists for temporary advance for carrying out their experiments, the ceiling of Rs 500 has been raised to Rs 2,000 with the condition that the imprest account shall be submitted by the Officer concerned within 10 days lest it be recovered from the salary at the end of the month.

The exercise of all these enhancement/amended powers will continue to be governed by the procedural and other instructions issued by the Government of India/Council from time to time, like general economy instructions etc.

Sd/-
Dy. Director (Finance)

Annexure 4 to Schedule III
INDIAN COUNCIL OF AGRICULTURAL RESEARCH
KRISHI BHAVAN, NEW DELHI

F.No. 6-2/90-Cdn (A&A)/Part

Dated the 29th March 1994

OFFICE ORDER

On the basis of the discussions/decisions taken in the Directors Meeting held on 5th & 6th October 1993, it has been decided with the approval of the Director-General, ICAR to delegate the following powers to the Directors of all ICAR Research Institutes/Project Directorates/National Research Centres:-

| S.No. | Nature of power | Enhancement/amendment of the Delegation of Powers to the Directors of ICAR Research Institutes |
|--------------|---|--|
| 1 | Local purchase of stationery (Schedule III-item No.71 (XVII)a) | Full powers on the lines delegated to the Stores National Instts. and deemed Universities for purchase on account of delay or/and non-Supply of stationery stores by chief Controller of Printing and Stationery, Govt. of India subject to availability of funds and observance of th Prescribed procedure |
| 2 | Norms of expenditure to be followed on holding of symposia, Conferences etc | POL: Rs 40 per delegate (enhanced from Rs. 20 at present) Stationery: Rs 40 per head Workshops, (Including honorarium to the typist enhanced from Rs 20 at present). This will be the maximum limit and also subject to availability of sanctioned Budget provision and the economy instructions of the Govt. of India/Council issued from time to time. The other terms and conditions mentioned in office order no. 20-9/81-Cdn (A&A) dt. 27. 5.82 will continue to be followed except that exp. on refreshment would be at the rate of Rs 3-50 per head per session. |
| 3. | Expenditure on entertainment& light refreshment (Schedule II-Item 73) | Upto Rs 5,000 per annum in respect of all Institutes subject to Rs 3-50 per head for one meeting and the instructions/restrictions one meeting and the instructions/restrictions of the Govt. of India/Council issued from time to time |

These orders will take effect from the date of issue.

4. The exercise of all these enhancement /amendment of powers will continue to be governed by the procedural and other instructions issued by the Govt. of India/Council from time to time, like general economy instructions etc.

Sd/-
(B.L. JANGIRA)
Dy. Director (Finance)

Annexure 5 to Schedule III

INDIAN COUNCIL OF AGRICULTURAL RESEARCH
KRISHI BHAVAN, NEW DELHI

F.No. 10-38/79-Per.IV**Dated the 28th January 1980**

To

The Directors/Project Directors of all the Research Institutes

Subject: Ad-hoc appointments—Need for avoiding the same

Sir,

The copy of the Department of Personnel and Administrative Reforms O.M. No. 39021/35/78-py p Estt. (B), dated the 15th November 1979 on the subject cited above is enclosed for your information and guidance. In view of the spirit of this circular, it has been decided that no appointment on ad hoc basis should be made by the Directors of the Institutes. In cases where ad-hoc appointments are to be resorted to for unavoidable reasons, the matter should be referred to the Council with full justifications and ad-hoc appointments made only with the prior approval of the Council.

Yours faithfully,

Sd/-
(P.V. HARIHARASANKARAN)
Secretary

Annexure 6 to Schedule III

INDIAN COUNCIL OF AGRICULTURAL RESEARCH
KRISHI BHAVAN, NEW DELHI

F.No. 6-2/90-Cdn (A&A)/Part I.**Dated the 28th May 1993**

To

The Directors of all ICAR Research Institutes/Project Directorates/National Research Centres.

Subject: Delegation of powers to the Directors of Research Institutes etc.—Enhancement thereon.

Sir,

In continuation of the Council's letter of even number dated 4th February 1993, I am directed to refer to item No. 68 of Schedule III of Delegation of Powers in ICAR regarding ad-hoc appointments by Directors up to one year and to state that the Council vide letter No. 10-38/79-Per. IV dated the 28th January 1980 (copy enclosed) has issued further instructions stating that no appointment on ad-hoc basis should be made by the Directors of the Institutes. However, in cases where ad-hoc appointments are to be resorted to for unavoidable reasons, the matter should be referred to the Council with full justifications and ad-hoc appointments made only with the prior approval of the Council.

In view of the position stated above, the delegation of powers on the said item may please be treated to have been amended to this extent.

Sd/-
(B.L. JANGIRA)
Deputy Director (F)

Annexure 7 to Schedule III

Powers for Disposal of Farm Produce at the Institutes/Centres under the Council and the Procedure Therefor

ICAR letter No. 8C9V69-Reorgn (F&A) Cdn (A&A1 dated October 15.1975

In continuation of Council's letter of even No. dated the 2nd July 1971 on the subject noted above, I am directed to say that the question regarding disposal of essential commodities saccharine, wheat, milk products, potato etc. which would be required by the Institute-staff has been reviewed. It has been decided in consultation with the Financial Adviser and with the approval of the GB that the following procedure may be followed for disposal of these essential commodities at the Institutes/ Centres under the Council:

- (a) In Institutes carrying on educational activities and having a Hostel/Co-operative messes/ Canteens attached with the Institutes, requirements of these shall be met before the produce is distributed to other members of the staff. Similarly the requirement of Guest House/Scientists' Home (like the Visiting Scientists' Hostel at the Institute) shall also be given preference.
- (b) If possible the produce shall be sold to the staff according to their requirements. However, if the quantity available is not sufficient to meet full demand of all, the Director shall ensure that the produce is distributed equitably among the staff so that all categories of staff get reasonable share.
- (c) The price of the commodity shall be decided by the Price Fixation Committee taking into consideration the prevailing rates as certified by the Civil Supplies Department. The price so fixed shall be reviewed quarterly in consultation with the Civil Supplies Department of the State concerned.
- (d) If any surplus produce is left over, after meeting the demand of the staff, the balance shall be disposed of through public auction.
- (e) In respect of commodities under statutory rationing the Director shall ensure that the rules of the Civil Supplies Department are adhered to strictly.

Annexure 8 to Schedule IIIINDIAN COUNCIL OF AGRICULTURAL RESEARCH
KRISHI BHAVAN, NEW DELHI

No.F. 11(4)/75-Cdn (A&A)

Dated the 1st April 1977

To

1. The Directors of all ICAR Research Institutes
2. The Project Director
ICAR Research Complex for NEH Region
Amrit Bhavan, Shillong
3. The Project Director
All-India Co-ordinated Research Project for Dryland
Agriculture, Ambrpct, Hydcrabad-13
4. The Project Director
All-India Co-ordinated Rice Improvement Project
Rasjendranagar. Hyderabad-30
5. The Officer on Special Duty
Central Staff College for Agriculture
Central Staff College for Agriculture
A.P. Agricultural University Campus
Rajendranagar, Hydcrabad-30

Subject: Delegation of Powers to the Directors of Research Institutes etc.

Sir,

In suppression of all previous orders regarding delegation of financial and administrative powers, the Directors of all Research Institutes, Project Directors of All-India Co-ordinated Research Projects on Dryland Agriculture and Rice, ICAR Research Complex for North-Eastern Region and the Officer-on-Special Duty, Central Staff College for Agriculture, will exercise the powers as indicated in the statement enclosed (with 5 spare copies), with immediate effect. It will be seen from the said statement that certain powers like (i) sanction of the undertaking of work for which a fee is offered and the acceptance of a fee, (ii) incurring contingent expenditure, viz. Demurrage, wharfage charges, repairs and alterations to hired and requisitioned buildings, rent for ordinary office accommodation, writing-off losses and sanction of local purchase of stationery etc. have been considerably enhanced.

2. Directors of the Research Institutes etc. may re-delegate their powers to the subordinate authorities under them to the extent considered necessary for the day working of the Institute/Project subject to the observance of the Rules and Orders issued by the Govt. of India/Council regarding re-delegation of powers to subordinate authorities and also subject to

the condition that overall responsibility will rest with them. For example, powers regarding creation of posts, appointments, disciplinary powers, power to suspend and transfer lien, power to grant higher initial pay, power to sanction advances from PF to the officers and staff on notional foreign service, power to sanction pension and other statutory powers derived directly or indirectly from the Fundamental & Supplementary Rules, Bye-laws and Rules of the Council and other Rules and Regulations may not be re-delegated to subordinate authorities.

The exercise of all these powers will continue to be governed by the procedural and other instructions issued by the Govt. of India/Council from time to time, like general economy instructions, ban on creation of posts, ban on filling up of vacancies etc.

The receipt of this letter may please be acknowledged.

Yours faithfully,

**Sd/-
(BALDEV RAI)
Director (Finance)**

Annexure 9 to Schedule III

INDIAN COUNCIL OF AGRICULTURAL RESEARCH
KRISHI BHAVAN, NEW DELHI

No.FI 8(2)/85-Cdn (A&A)**Dated the 14th June 1989**

To

The Directors of All Research Institutes/Directorates/National Research Centres etc.

Subject: Review of existing system of Store Purchase and Inventory Control at ICAR Headquarters and its Research Institutes.

Sir,

On the recommendations of the Scientific Advisory Committee to the Cabinet, the government of India in their Department of Science and Technology O.M.No. DST/17/3/1/83 dated 28.12.1983 conveyed enhanced delegation of powers to the Scientific Departments and have exempted them from the purview of DGS&D subject to the condition that the organ rations concerned would evolve suitable procedures for the exercise of enhanced powers in the matter of purchase and disposal of stores directly.

2. In this background and with a view to evolve suitable revised store purchase procedure, a Committee had been constituted under the chairmanship of Dr A.M. Michael, Director, Indian Agricultural Research Institute to look into the existing purchase procedure, to identify and specify bottlenecks, if any, in terms of delays and cost over-runs under the present system of procurement of store through DGS&D and to suggest alternative methods of store purchase and inventory control including drafting of stores and purchase manual so that it may be followed by the Council and its Institutes. The said Committee has since submitted its report and the same has been discussed and approved by the Governing Body of the Council in its meeting held during March 1989.

3. The major recommendations of the Committee as approved by the Governing Body of the Council are attached as Annexure for information, guidance and compliance by the Council and its research Institutes subject to the following conditions:

- (a) Principles laid down in General Financial Rules are followed.
- (b) Detailed specifications are prescribed for all items including sophisticated items of Stores/equipments etc. at the time of calling tenders.
- (c) Complete measures are taken for carrying out inspection of stores.

4. The detailed procedure for procurement and custody of stores based on the approval of the Governing Body will be laid down in the Stores and Purchase Manual.

5. The receipt of this letter may please be acknowledged.

Yours faithfully,
Sd/-
(G.C. Srivastava)
Secretary

1. The Institutes will continue operating DGS&D rate contract for procurement of their supplies relating to typewriters, duplicating machines, air conditioners and furniture. For other items of stores the Institute will be free to procure on DGS&D rate running contracts directly from the contractual firms at their discretion without going for the observance of codal purchase procedure provided this is considered advisable in the larger interest of economy subject to the following conditions:-

- i) The supplies are procured on the same rates, terms and conditions as are prescribed by the DGS&D for its Direct Demanding Officers except that with regard to the requirement of pre-delivery inspections, the Institute concerned will make necessary arrangements and assume full responsibilities to ensure supplies according to the prescribed specifications. For ensuring this inspection they may utilize the services of their staff holding the requisite expertise or may obtain assistance from outside sources (other Institutes, State Government Departments, Universities or other Government Undertakings etc.) as may be locally available.
- ii) The supplying agency undertake to make the supply on our order form on the same dates, terms and conditions as applicable to DGS&D and proper contract is entered into by the concerned Institute with the supplying agency to ensure full safeguard.
- iii) The payment is made on receipt of material or on proof of despatch or otherwise in accordance with normal financial rules.
- iv) The expenditure so incurred on the purchase does not exceed the amount which would have been incurred in case the purchase would have been effected through DGS&D.

2. The Institute should conclude rate/running contracts with the leading suppliers/manufacturers themselves for items of common nature. The period of currency of such rate/running contracts should normally be for one year which can be extended for another one year by mutual agreement, provided it is considered in the interest of the Council. Adequate safeguard should also be taken while finalizing rate contracts to ensure timely supplies, quality material, pre-delivery inspection and also post-purchase maintenance wherever required.

3. Single tender system may be adopted in the case of articles which are specifically certified as of proprietary nature by the indenting authorities or when it is to the knowledge of the procuring agency that only a particular firm is the manufacturer of the stores demanded. Purchase by Brand Name cannot be termed as items of proprietary nature.

4. The system of *ab-initio* negotiations should be adopted in exceptional circumstances only, e.g.

- i) Where there is no competition.
- ii) Where the tendered rates are apparently higher as compared to the known market price.
- iii) Where it is apprehended that the suppliers have formed a pool before quoting the rates and the negotiations are likely to bring down the prices.

Negotiations should not be made with one or two firms but should be made with all the firms who have tendered their rates.

5. Purchase of stationery items may be effected either from the Central Government Employees Co-operative stores or from Super Bazaars or otherwise after following the normal purchase procedures if it is considered economical in the interest of the Council.

6. All stores and equipments before acceptance should be arranged to be inspected on receipt by an appropriate officer designated for the purpose, normally within 24 hours of the receipt of the stores. Stores such as electrical goods, mechanical instruments, refrigeration material should be inspected/functionally tested by persons of technical competence. Inspection/functional tests of sophisticated instruments should be carried out by the indenter himself with the assistance of the experts concerned. The stores of general use and repetitive nature such as vim, dusters, glasswares and stationery items should be inspected by the Stores Officer with the assistance of the officers having expertise in the field. The officers charged with the responsibility of inspection of goods should invariably record and certify all inspections and inspection reports should be countersigned by the Head of Division/Project concerned after making random checks.

7. Detailed specifications of the items required to be procured should clearly be indicated at the time of calling tenders/quotations and the lowest quote should be accepted according to those specifications only.

8. The functions of the stores relating to (i) Purchase and (ii) Custody, accounting and distribution should be dealt with by separate units/officers except in cases where it is not possible due to limited manpower.

9. The above procedure is subject to the following conditions:-

- (a) Principles laid down in General Financial Rules are followed.
- (b) Detailed specifications are prescribed for all items including sophisticated items of Stores/Equipments etc. at the time of calling tenders.
- (c) Complete measures are taken for carrying out inspection of stores.

1.2(ii) (2)

ICAR - INDIA INSTITUTE OF SPICES RESEARCH
MARIKUNNU POST, KERALA - 673 012
Delegation of powers to Heads of Divisions

| Sl. No | Nature of Power | Extent of powers delegated | Remark |
|--------|--|---|--------|
| 1 | 2 | 3 | 4 |
| 1 | Sanction of Earned Leave & HPL (SR 206 & 208) | Full in respect of personnel working under his Administrative control and in cases where no officiating arrangement will be required | |
| 2 | Power to require a medical certificate of fitness before return from leave (FR71) | Full, if he is empowered to grant Leave | |
| 3 | Power to Extend Leave (FR 73) | Full powers, provided the original leave was sanctioned by the HOD and the employee on his return will be under his Administrative control. | |
| 4 | Sanction of Casual Leave | Full , excluding for himself | |
| 5 | Power to restrict the frequency and duration of journeys (SR63) | Full powers | |
| 6 | Power to accept a certificate signed by any authorized medical practitioner as evidence of the fitness of an employee of non gazetted status to return to duty (SR213) | Full powers | |
| 7 | Power to grant maternity / paternity leave (SR 267) | Full powers subject to provisions of SR 267 | |
| 8 | Power to grant hospital leave (SR 269) | Full Powers | |
| 9 | Sanction of tour programme and countersignature of TA bills | Full powers for all staff working under him excluding self | |
| 10 | Power to sanction reimbursement of cancellation charges on unused railway / flight tickets | Full powers for all working under him excluding self | |
| 11 | Purchase of working stores, chemicals, glasswares, tools, plant & equipments, insecticides, including consumables for research work /office | Rs. 1,00,000/- in each case subject to availability of funds. | |

| | | | |
|----|--|--|--|
| 12 | a) Local purchase of stationery stores | Up to Rs. 15,000/- in each case subject to availability of funds. | |
| 13 | Printing and binding | Up to Rs.20,000/- in each case subject to availability of funds | |
| 14 | Maintenance of Computer and the computer laboratory | Up to Rs.15,000/- in each case including cost of stores and other material required for maintenance , <i>subject to availability of funds.</i> _ | |
| 15 | Local purchase of rubber stamps & Office seals | Full | |
| 16 | Sanction of Contingent expenditure through imprest Account | Full (upto Rs.2,000 in each case) Except the expenditure for engagement of labourers / Contract workers , photography and the expenditure which are not admissible / justifiable under imprest account rules / procedures. | |

NB:1. Rules/Procedures under GFR/FR & SR etc. and instructions of Council /Govt. of India issued from time to time are to be strictly followed while exercising the powers.

Delegation of powers to Administrative Officer / Head of Office, IISR, Kozhikode

| Sl. No | Nature of Power | Extent of powers delegated | Remark |
|--------|---|--|--------|
| 1 | 2 | 3 | 4 |
| 1 | Sanction of Earned Leave & HPL (SR 206 & 208) | Full in respect of personnel working under his Administrative control and in cases where no officiating arrangement will be required | |
| 2 | Power to require a medical certificate of fitness before return from leave (FR71) | Full, if he is empowered to grant Leave | |
| 3 | Power to extend leave (FR 73) | Full powers, in respect of personnel working under his Administrative control | |
| 4 | Sanction of Casual Leave | Full, excluding for himself | |
| 5 | Power to restrict the frequency and duration of journeys (SR63) | Full Powers | |
| 6 | Power to accept a certificate signed by any authorized medical practitioner as evidence of the fitness of an employee of non gazetted status to return to duty (SR 213) | Full Powers | |
| 7 | Power to grant maternity / Paternity leave (SR 267) | Full powers subject to provisions of SR 267 | |
| 8 | Power to grant hospital leave (SR 269) | Full powers | |
| 9 | Sanction of tour programme and counter signature of TA bills | Full powers for all staff working under him excluding self | |
| 10 | Power to sanction of CEA/Tuition fee claims | Full | |
| 11 | Power to sanction reimbursement of cancellation charges on unused railway/flight tickets | Full powers for all working under him excluding self | |
| 12 | Purchase of working stores, chemicals, glasswares, tools , plant & equipments , insecticides , including consumables for research work/ office | Rs. 1,00,000/- in each case provided specific allotment of funds is made during the financial year | |
| 13 | a) Local purchase of stationery stores | Up to Rs.15,000/- in each case <u>provided specific allotment of funds made during the financial year.</u> | |

| | | | |
|----|---|--|--|
| 14 | Printing and binding | Up to RS. 20,000 /- in each case <u>subject to specific allotment of funds for the Division during the financial year.</u> | |
| 15 | Maintenance of Computer and the computer laboratory | Up to Rs.15,000/- in each case for maintenance, <u>provided specific allotment of funds for made during the financial year.</u> | |
| 16 | Sanction of Contingent expenditure through Imprest Account | Full (upto Rs.2,000/- in each case) Except the expenditure for engagement of labourers / Contract workers , photography and the expenditure which are not admissible / justifiable under imprest account rules/procedures. | |
| 17 | Sanction of GPF advances and part-final withdrawals | Full for all categories of Staff except for himself | |
| 18 | Sanction of TA/LTC advance and claims | Full except for himself provided the programme / report is approved by the Director | |
| 19 | Sanction of Expenditure under Recurring & Non-recurring contingencies, including works (petty, original & maintenance) | Rs.20,000/- in each case, In respect of expenditure exceeding 20,000 but less than Rs.50,000/- in each case sanction may be recorded provided the proposal/item/work is approved by the Director. | |
| 20 | Counter signature of Medical Bills | Full Powers for all categories of staff | |
| 21 | Approval of Vehicle indents and Sanction of hiring charges | Full subject to restrictions by the govt. from time to time | |
| 22 | Reimbursement of cost of brief case | Full ,as per Rules / ICAR norms | |
| 23 | Power to sanction expenditure on insurance/Road Tax of Motor vehicles including Tractor/Power Tiller including advances | Full | |
| 24 | Reimbursement of cost of newspaper | Full | |
| 25 | Electricity, Gas and Water charges | Full | |
| 26 | Maintenance , upkeep and repair of motor vehicle including POL | Full | |
| 27 | Municipal/Cantonment rates and taxes | Full | |
| 28 | Grant of advance in lieu of leave salary (GFR 259-261) | Full | |

| | | | |
|----|---|--|---|
| 29 | Sanction / Counter signature of Medical Bills | :Full powers for all categories of staff except emergency treatment | Issued vide F.No.1-9/97-Estt. dated 06-09-2016 |
|----|---|--|---|

NB : 1. Rules/Procedures under GFR/FR & SR etc. and instructions of Council / Govt. of India issued from time to time are to be strictly followed

Delegation of powers to Asst. Administrative Officer / DDO, IISR, Kozhikode

| Sl.No | Nature of Power | Extent of powers delegated | Remark |
|--------------|--|-----------------------------------|---------------|
| 1 | 2 | 3 | 4 |
| 1 | Local purchase of rubber stamps and office seals | Full | |
| 2 | Posts and telegraph charges including commission of Money orders etc. | Full | |
| 3 | Telephone charges | Full except reimbursement | |
| 4 | Grant of LTC | Full in respect of Group C | |
| 5 | Grant of advance in connection with festival | Full in respect of Group C | |
| 6 | Grant of Temporary Advance, part final withdrawals including special advance from provident fund | Full in respect of Group C | |
| 7 | Repair of Office Cycle | Full | |
| 8 | Sanction of contingent expenditure through Imprest account | Rs.500/- in each case | |

NB: 1. Rules/Procedures under GFR/FR & SR etc. and instructions of Council/ Govt.of India issued from time to time are to be strictly followed while exercising the powers.

Delegation of powers to Programme Coordinator (KVK)

| Sl.No | Nature of Work | Extent of powers delegated | Remark |
|-------|--|---|--------|
| 1 | 2 | 3 | 4 |
| 1 | Sanction of Earned Leave & HPL (SR 206 & 208) | Full , in respect of personnel working under his Administrative control and in cases where no officiating arrangement will be required | |
| 2 | Power to require a medical certificate of fitness before return from leave (FR71) | Full, if he is empowered to grant Leave | |
| 3 | Power to extend leave (FR 73) | Full powers, provided the original leave was sanctioned by the HOD and the employee on his return will be under his administrative control. | |
| 4 | Sanction of Casual Leave | Full, excluding for himself | |
| 5 | Power to restrict the frequency and duration of journeys (SR 63) | Full powers | |
| 6 | Power to accept a certificate signed by any authorized medical practitioner as evidence of the fitness of an employee of non gazette status to return to duty (SR 213) | Full powers | |
| 7 | Power to grant maternity /paternity leave (SR 267) | Full powers subject to provisions of SR 267 | |
| 8 | Power to grant hospital leave (SR 269) | Full powers | |
| 9 | Sanction of tour programme and countersignature of TA bills | Full powers for all staff working under him excluding self | |
| 10 | Power to sanction reimbursement of cancellation charges on unused railway/flight tickets | Full powers for all working under him excluding self | |
| 11 | Purchase of working stores, chemicals, glasswares , tools, plant & equipments , insecticides, including consumables for research work/office | Rs.1,00,000/-in each case subject to availability of funds. | |
| 12 | a)Local purchase of stationery stores | Up to Rs.15,000/- in each case subject to availability of funds. | |
| 13 | Printing & binding | Up to Rs.20,000/- in each case subject to availability of funds. | |

| | | | |
|----|--|--|--|
| 14 | Maintenance of Computer and the computer laboratory | Up to Rs.15,000/- in each case including cost of stores and other material required for maintenance , <i>subject to availability of funds.</i> | |
| 15 | Local purchase of rubber stamps & Office seals | Full | |
| 16 | Sanction of Contingent expenditure through Imprest Account | Full (upto Rs.2,000 in each use) except expenditure on engagement of labourers / contract workers , photography and the expenditure which are not admissible/justifiable under imprest account rules / procedures. | |

NB : 1. Rules/Procedures under GFR/FR & SR etc. and instructions of Council/ Govt.of India issued from time to time are to be strictly followed while exercising the powers.

Delegation of powers to Finance & Accounts officer, IISR, Kozhikode

| Sl.No | Nature of Work | Extent of powers delegated | Remark |
|--------------|--|--|---------------|
| 1 | 2 | 3 | 4 |
| 1 | Sanction of Earned Leave & HPL (SR 206 & 208) | Full , in respect of personnel working under his Administrative control and in cases where no officiating arrangement will be required | |
| 2 | Power to require a medical certificate of fitness before return from leave (FR71) | Full, if he is empowered to grant Leave | |
| 3 | Power to extend leave (FR 73) | Full powers , in respect of personnel working under his Administrative control | |
| 4 | Sanction of Casual Leave | Full, excluding for himself | |
| 5 | Power to accept a certificate signed by any authorized medical practitioner as evidence of the fitness of an employee of non gazette status to return to duty (SR 213) | Full powers , in respect of personnel working under his Administrative control | |
| 6 | Power to grant maternity / paternity leave (SR 267) | Full powers , in respect of personnel working under his Administrative control | |
| 7 | Power to grant hospital leave (SR 269) | Full powers , in respect of personnel working under his Administrative control | |

NB : 1. Rules/Procedures under GFR/FR & SR etc. and instructions of Council/ Govt.of India issued from time to time are to be strictly followed while exercising the powers.



भाकृअनुप - भारतीय मसाला फसल अनुसंधान संस्थान
ICAR - INDIAN INSTITUTE OF SPICES RESEARCH
(भारतीय कृषि अनुसंधान परिषद Indian Council of Agricultural Research)
पी. बी. संख्या: Post Bag No: 1701, मेरिकुन्नु पोस्ट Marikunnu Post,
कोषिकोड Kozhikode -673 012, केरल Kerala, भारत India



F.No.1-9(95)2018-Estt (Vol.II)

Dated: 12th November 2018.

Office Order

The Director, ICAR-IISR, Kozhikode is pleased to nominate Dr.R Dinesh, Principal Scientist as Head (General Administration) with effect from 14-11-2018. He will monitor all matters relating to the Administration and henceforth all files related to Administration shall be routed through him before final approval is sought from the director.

(R.N.Subramanian)
Administrative Officer i/c

To,

Dr.R.Dinesh
Principal Scientist,IISR,Kozhikode

Copy to:

1. All Heads of Divisions
2. Project Co-ordinator, spices
3. Head,IISR,Regional Station, Appangala
4. Finance and Accounts Officer
5. PS to Director
6. Scientist in charge, IISR Chelavoor and experimental Farm \, Peruvannamuzhi
7. Programme Co-ordinator, Spices
8. Bills/Cashier/PME/Works/Stores/Display in INTRANET



भाकृअनुप - भारतीय मसाला फसल अनुसंधान संस्थान
ICAR - INDIAN INSTITUTE OF SPICES RESEARCH
(भारतीय कृषि अनुसंधान परिषद Indian Council of Agricultural Research)
पी. बी. संख्या: Post Bag No: 1701, मेरिकुन्नु पोस्ट Marikunnu Post,
कोषिकोड Kozhikode -673 012, केरल Kerala, भारत India



F.No.1-9(95)2018-Estt (Vol.II)

Dated: 21-11-2018

OFFICE ORDER

Director has been ordered to the following working arrangements among Administrative staff with immediate effect until further orders.

| SL.NO | Name and Designation | Present Posting | New Place of Posting |
|-------|---|---------------------------------------|---|
| 1. | Sri. R N Subramanian Asst. Administrative Officer | Store/Works | DDO/Establishment/Bills/Cash/Despatch |
| 2. | Sri. P Sundaran Asst. Administrative Officer | DDO/Establishment/Bills/Cash/Despatch | Store/Works |
| 3. | Sri V C Sunil Assistant | Store Section | Establishment Section |
| 4. | Sri V V Sayed Mohammed Assistant | Establishment | Stores(All Purchase Foreign and Indian) |
| 5. | Mrs. P V Sali PS to Director | PS to Director | In addition to the duties of PS to Director she will look after the duties related to the implementation of ISO 2015 |
| 6. | Mr. P T Jayaprakash LDC | Work Section | In addition to the duties of work Section he will be in-charge of guest House |
| 7. | Mr.P Rajeev UDC | Cash Section | In addition to the duties of Cash Section he will look after the stock entry including item numbering and issuing stationary items. |

Proper handling over/taking over must be done by the concerned before moving to the new place of posting

(R.N.Subramanian)
Administrative Officer

Copy to:

1. All concerned
2. All Heads of Divisions
3. Head,IISR,Regional Station, Appangala
4. Farm Superintendent, Peruvannamuzhi Farm
5. Project Co-ordinator, KVK, Peruvannamuzhi
6. PS to Director

PABX: 0495-2731410/2731753/2731345 Director's Office: 0495-2730294 Project Coordinator: 0495-2731794, ARIS cell: 0495-2730704. IISR Experimental Farm, Peruvannamuzhi : 0496-2249371. Krishi Vigyan Kendra, Peruvannamuzhi :0496-2662372, Fax : 0091-495-2731187 Email: mail@spices.res.in Website : www.spices.res.in

Annexure : 1.2.(iv)

| Sl. No. | Name & Designation | Duties |
|---------|---|---|
| 1. | Dr. R Dinesh (Head | <ol style="list-style-type: none"> 1. He will perform the duties of the overall In charge of the Establishment-I & II Sections and Stores / Works Section of the Institute. 2. He will perform the duties of the Head of Office of ICAR - IISR, Kozhikode. 3. He will act as Nodal Officer for monitoring the E-tendering activities and PFMS with the assistance of Mr. V V Sayed Mohammed. |
| 2. | Mr. R N Subramanian, Asst. Administrative Officer (Estt) | <ol style="list-style-type: none"> 1. He will perform the duties of the AAO in the Establishment - I and II Section of the Institute. 2. He will perform the duties of the DDO and sign the cheques. 3. Supervision of work in Establishment Section and Bills Section and functioning as DDO. 4. He will perform the duties of the Record Officer of the Institute. 5. Any other work as and when assigned by the Controlling Officer. |
| 3. | Mr. P Sundaran, Astt. Administrative Officer (Stores / Works) | <ol style="list-style-type: none"> 1. Supervision of work in Stores and Works Section. 2. Any other work as and when assigned by the Controlling Officer |
| 4. | Mr. Sayed Mohammed V V, Assistant | <ol style="list-style-type: none"> 1. Purchase of all major and minor equipments under Plan and Non Plan. 2. Procurement of all minor and major equipments under funded schemes. 3. Opening of Letter of Credit for import of equipment and chemicals 4. Maintenance / compilation of Asset Register of the Institute as well as funded projects and to carry out the work of Asset Register under the guidance of concerned officers. 5. Purchase of Chemicals / glassware, labware etc on rate contract and procurement of furniture and stationery items for institute and funded projects. 6. Repair and maintenance and AMC of all equipments / computers etc. and other related works. 7. Procurement of liveries / reference book related to administration 8. Printing and publications related files 9. Condemnation and disposal of obsolete, unserviceable stores and other related works. 10. Any other work as and when assigned by the Controlling Officer. |

| | | |
|----|-----------------------------|--|
| 5. | Mr. V C Sunil, Assistant | <ol style="list-style-type: none"> 1. Recruitment of Technical and ministerial staff. 2. Assessment of all Scientific and Technical Staff 3. Posting and Transfer of Technical, Ministerial 4. Dealing files regarding Court Cases 5. Maintaining and updating of different modules of Office Automation Software (HRM, Accounts, Stores, Works, Despatch etc.) and e-procurement solution. 6. Maintaining ARISOFT Database. 7. Duties as caretaker and Guest house in charge. 8. Supervising Security system of the Institute. 9. Coordinator of Aadhar Based Attendance System of the Institute and Regional Station. 10. Nodal Officer for ICAR ERP MIS FMS. 11. Assisting to develop the barcode system in inventory management. |
| 6. | Personal Assistant | <ol style="list-style-type: none"> 1. Maintenance of Service Book and Personal files in respect of Scientific / Technical / Administrative / Skilled Support Staff including IISR Experimental Farm, KVK, Peruvannamuzhi. 2. Pay fixation in respect of Scientific / Technical / Administrative / Skilled Support Staff including IISR Experimental Farm, KVK, Peruvannamuzhi. 3. Work related to all meetings / seminar / exhibition / deputation / training. 4. Work related to GSLIS Scheme / New Contribution Pension Scheme and issue of identity cards. 5. Assistance to ARISOFT work. 6. Allotment of quarters. 7. Work related to RTI Act and filing quarterly / annual return. Designated as DPIO of the Institute. 8. Any other work as and when assigned by the Controlling Officer |
| 7. | Ms. Seema M, UDC | <ol style="list-style-type: none"> 1. Preparation of pay bills in respect of Scientific, Technical, Administrative and Skilled Support Staff and maintenance of pay bill registers. 2. Processing Medical Bills in respect of Scientific, Technical, Administrative and Skilled Support Staff on roll and retired officials. 3. Processing TA / LTC bills of Scientific, Technical, Administrative and Skilled Support Staff of Experimental Farm and KVK, Peruvannamuzhi including JRF/SRF of Schemes. 4. Processing GPF claim in respect of all the staff. 5. Income tax calculation and filing of returns. 6. Processing CEA / Newspaper reimbursement claim of all staff and maintenance of its registers. |

| | | |
|-----|-------------------------------|--|
| | | <ul style="list-style-type: none"> 7. Processing Pension cases of all Scientific, Technical, Administrative and Skilled Support Staff. 8. P. Loans and advances |
| 8. | Ms. Seema M, UDC | <ul style="list-style-type: none"> 1. Working as Cashier – Maintenance of Cash book, imprest register and recoupment of imprest bills. 2. With the help of Assistant, monitoring all outward and inward dispatch work. 3. Maintenance of Central Registry and issue of all dak to concerned Section / Division . 4. Processing GPF claim and Contingent advance in respect of Regional Station. 5. Any other work assigned by the Controlling Officer. |
| 9. | Ms. C K Beena, PS to Director | <ul style="list-style-type: none"> 1. Working as dealing hand in PME Section of the Institute. |
| 10. | Ms. Rebeena N, LDC | <ul style="list-style-type: none"> 1. Pre-auditing of personal bills 2. Posting of vouchers (Receipt and Expenditure), 3. Preparation of monthly accounts of Institute & KVK & Scheme 4. Preparation of progressive abstract 5. Maintenance of Schemes registers & files 6. Preparation of AUC & SOE of various schemes 7. Arisoft entry on receipt vouchers. 8. GST Returns filing |
| 11. | Mr. P K Rahul, LDC | <ul style="list-style-type: none"> 1. Pre-auditing of contingent bills 2. Cheque writing and arranging to send to Bank, 3. PFMS entry, maintenance of Cash book and receipt book 4. Monthly bank reconciliation |
| 12. | | <ul style="list-style-type: none"> 1. All major and minor and petty farm works including funded project. 2. Maintenance of land records and files. 3. Wages / Works related to daily wages workers 4. Outsourcing the work related to Security / Housekeeping / Misc. Farm works and other contractual job works. 5. Remittance of Income Tax / EPF / Service Tax regarding Contractual and other related works and filing of its timely returns to concerned departments. 6. Processing request for contingent advances and its settlement. 7. Processing bill for Internet connectivity and price fixation of farm produce. 8. Processing bill for maintenance and repair of vehicles including hiring of vehicles. 9. Any other work and when assigned by the Controlling Officer. |

Process of decision making identify key decision making points:

(A reference to secretariat Manual and rule of Business Manual, and other Rules/regulations etc. can be made)

- The Director is assisted by Heads of Division to monitor the research progress in Institute Research Committee meetings every six months.
- The Research Advisory Committee refines and recommends research activities.
- Institute is also monitored by Institute Management Committee and Quinquennial Review Team which are constituted by the ICAR, New Delhi..
- Institute budget is presented and sanction obtained from the five-year plans of Govt. of India. Institute Joint Staff Council takes care of the staff problems.

Annexure - 1.4(i)

ICAR – IISR has put in place well – defined internal rules and guidelines for various activities in the form of policy documents, instructions, manuals, circulars etc. As per ICAR’s instructions and guidelines (<http://www.icar.org.in>)

Annexure - 1.4(v)

At the earliest possible, given the constraints of time-consuming Research related efforts.

Annexure - 1.5

Please provide list of rules, regulations, instructions, manuals and records, held by public authority or under its control or used by its employees for discharging functions as per the following format. This format has to be filled for each type of document.

Establishment & Administration Manual.

| | |
|---|--|
| Name/title of the document | Establishment & Administration Manual |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Manual |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Instructions regarding Establishment & Administration Address:M/s.Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram,Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Fundamental Rules & Supplementary Rules (General Rules)

| | |
|---|---|
| Name/title of the document | FR & SR Part I(General rules) |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Rules framed by the GOI to deal administrative matters(Including GOI decisions) and its amendment Address:M/s.Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram,Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Fundamental Rules & Supplementary Rules (Traveling Allowance Rules)

| | |
|--|--|
| Name/title of the document | FR & SR Part II(Traveling Allowance) Rules |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Government Instructions issued from time to time. Address: M/s. Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram,Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Fundamental Rules & Supplementary Rules (Leave Rules)

| | |
|--|---|
| Name/title of the document | FR & SR Part III-CCS (Leave) Rules |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Government Instructions issued from time to time. Address: M/s. Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram,Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Fundamental Rules & Supplementary Rules(Dearness Allowances, DR and HRA)

| | |
|--|---|
| Name/title of the document | FR & SR Part IV (Dearness Allowances, DR and HRA) |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |

| | |
|---|--|
| Brief Write-up on the Document | Government Instructions issued from time to time. |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address: M/s.Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram,Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Delegation of Financial Powers Rules

| | |
|--|---|
| Name/title of the document | Delegation of Financial Powers Rules |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document | Government Instructions issued from time to time. |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address: M/s. Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram,Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

General Financial Rules, 2005 Including Compendium on Advances

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| Name/title of the document | GFR (2005) Incorporating Compendium of rules on Advances |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document | Government Instructions issued from time to time. |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address: M/s. Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram,Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Pension Rules

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|--|---|
| Name/title of the document | CCS (Pension) Rules |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Rules regarding Pension Address: M/s. Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram, Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Seniority & Promotion Rules

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|--|---|
| Name/title of the document | Seniority & Promotion Rules |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Government Instructions issued from time to time. Address: M/s. Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram, Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Manual of Office Procedure

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| Name/title of the document | Manual of Office Procedure |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Manual |

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| Brief Write-up on the Document | Instructions regarding Office procedure |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address: M/s. Swamy Publishers (P) Ltd., R. K. Mutt Road, R. A. Puram, Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Conduct Rules

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| Name/title of the document | CCS (Conduct) Rules |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document | Government Instructions issued from time to time. |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address: M/s. Swamy Publishers (P) Ltd., R. K. Mutt Road, R. A. Puram, Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

House Building Rules

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| Name/title of the document | HBA Rules |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document | Government Instructions issued from time to time. |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address: M/s. Swamy Publishers (P) Ltd., R. K. Mutt Road, R. A. Puram, Chennai-600028 |

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| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |
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CCS (CCA) Rules

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| Name/title of the document | CCS (CCA) Rules |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document | Government Instructions issued from time to time. |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address:M/s.Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram,Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

CCS (Temporary Service) Rules

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| Name/title of the document | CCS (Temporary Service) Rules |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document | Government Instructions issued from time to time. |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address:M/s.Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram,Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Brochure on Verification of Character & Antecedents

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| Name/title of the document | Brochure on Verification of Character & Antecedents |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Instructions |
| Brief Write-up on the Document | |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address: M/s.Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram, Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Instructions, guidelines etc. issued by the Department of Personnel & Training, Ministry of Finance etc. from time to time.

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| Name/title of the document | Instructions ,guidelines |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Instructions |
| Brief Write-up on the Document | |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address: Institute of secretariat management and training, New Delhi. |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

Medical Attendance Rules

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|--|---|
| Name/title of the document | Medical Attendance Rules |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document | Government Instructions issued from time to time. Address:M/s.Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram, Chennai-600028 |

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| From where one can get a copy of rules, regulations, instructions, manual and records? | |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

List of Medicines (admissible and inadmissible)

| | |
|--|---|
| Name/title of the document | List of Medicines(admissible and inadmissible) |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | admissible and inadmissible list of medicines List |
| Brief Write-up on the Document | |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address:M/s.Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram,Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

General Provident Fund Rules

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|--|---|
| Name/title of the document | General Provident Fund Rules |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document | Government Instructions issued from time to time. |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address:M/s.Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram,Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Leave Travel Concession Rules

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|--|---|
| Name/title of the document | Leave Travel Concession Rules |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document | Government Instructions issued from time to time. |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address:M/s.Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram,Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Children Educational Assistance

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|--|---|
| Name/title of the document | Children Educational Assistance |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document | |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address:M/s.Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram,Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Suspension and Reinstatement

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| Name/title of the document | Suspension and Reinstatement |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |

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| Brief Write-up on the Document | |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address:M/s.Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram,Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

New Pension Scheme

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| Name/title of the document | New Pension Scheme |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document | |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address:M/s.Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram,Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Contributory Provident Fund Rules

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| Name/title of the document | Contributory Provident Fund Rules |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document | |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address:M/s.Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram,Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Central Government Account (Receipts and Payments) Rules

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| Name/title of the document | Central Government Account Receipts and Payments) Rules |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document | |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address: M/s. Swamy Publishers (P) Ltd., R. K. Mutt Road, R. A. Puram, Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Reservations and Concessions for SC, ST, OBC

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| Name/title of the document | Reservations and Concessions for SC, ST, OBC |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Records |
| Brief Write-up on the Document | Rules and regulations regarding Reservations and Concessions for SC, ST, OBC |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address: M/s. Swamy Publishers (P) Ltd., R. K. Mutt Road, R. A. Puram, Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Confidential Reports

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| Name/title of the document | Confidential Reports |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |

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| Brief Write-up on the Document | |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address:M/s.Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram,Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Uniforms for Groups C and D employees

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|--|---|
| Name/title of the document | Uniforms for Groups C and D employees |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Instructions |
| Brief Write-up on the Document | |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address:M/s.Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram,Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Re-employment of Pensioners Civilians and Ex-servicemen

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|--|---|
| Name/title of the document | Re-employment of Pensioners Civilians and Ex-servicemen |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | |
| Brief Write-up on the Document | |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Address:M/s.Swamy Publishers(P) Ltd., R. K. Mutt Road, R. A. Puram,Chennai-600028 |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Orders on Seventh Pay Commission

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|--|---|
| Name/title of the document | Orders on Seventh Pay Commission |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules and Regulation |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Rules and Regulations on Seventh Pay Commission Address: Open Market |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Rules and Bye-laws of the ICAR Society

| | |
|--|---|
| Name/title of the document | Rules and Bye-laws of the ICAR Society |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Details of the Rules and Bye-laws of the ICAR Society Rules and Bye-laws of the ICAR Society |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Delegation of Powers

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| Name/title of the document | Delegation of Powers |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |

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|---|--------------------------------------|
| Brief Write-up on the Document | Delegation of Powers |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Delegation of Powers |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

ARS Rules

| | |
|--|---------------------------|
| Name/title of the document | ARS Rules |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | ARS Rules Rules |
| Brief Write-up on the Document | |
| From where one can get a copy of rules, regulations, instructions, manual and records? | ARS Rules |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Handbook on Technical Service Rules

| | |
|--|---|
| Name/title of the document | Technical Service Rules |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document | Technical Service Rules |
| From where one can get a copy of rules, regulations, instructions, manual and records? | Technical Service Rules |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Recruitment Rules framed for different posts in ICAR

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| Name/title of the document | Recruitment Rules |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Rules of Recruitment for different categories in the Institutes under ICAR Address: Recruitment Rules |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | NA |

Rules and Regulations and Guidelines for the Students Applying for Research Work Leading to M.Sc./ M.Phil/ Ph.D.(with effect from 01-01-2011)

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| Name/title of the document | Rules and Regulations and Guidelines for the Research Students |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Rules and Regulations |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Rules and regulations for students categories in the Institute Applying for Research Work Leading to M.Sc./ M.Phil./ Ph.D Rules and Regulations and Guidelines for the Students |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

Seniority Lists in respect of various cadres / posts

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| Name/title of the document | Seniority Lists in respect of various cadres / posts |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | List |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Seniority Lists in respect of various cadres / posts Address: Administrative Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: mail@spices.res.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

ACRs / Assessment Reports of employees

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| Name/title of the document | ACRs / Assessment Reports of employees |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Reports |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Address: Administrative Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: mail@spices.res.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

OM

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| Name/title of the document | OM |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Manual |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Instructions regarding different types of administrative matters. Address: Administrative Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: mail@spices.res.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

Records

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|--|---|
| Name/title of the document | Records |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Files |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Files on different subjects Address: Administrative Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: mail@spices.res.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

Registers

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|--|---|
| Name/title of the document | Registers |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | File movement registers. |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Records for file movement from one section to other sections. Address: Administrative Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: mail@spices.res.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

Diary Registers

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| Name/title of the document | Diary Registers |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Records |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Records regarding incoming receipts. Address: Administrative Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: mail@spices.res.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

Despatch Registers

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|--|---|
| Name/title of the document | Despatch Registers |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Records |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Records regarding outgoing letters. Address: Administrative Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: mail@spices.res.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

Reservation Rosters

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| Name/title of the document | Reservation Rosters |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Records |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Records regarding reservations for SC/ST/OBC categories. Address: Administrative Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: mail@spices.res.in Website: www.spices.res.in |

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| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |
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Pay Bill Registers

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| Name/title of the document | PBR |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Records |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Pay Bill registers of staff. Address: Administrative Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: mail@spices.res.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

Stock Register

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|--|---|
| Name/title of the document | Stock Register |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Records |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Records for the stores. Address: Administrative Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: mail@spices.res.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

Cash Book

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|--|---|
| Name/title of the document | Cash Book |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Records |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Records on payments and receipts of the Institute Address: Adm. Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: mail@spices.res.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

Attendance Register

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| Name/title of the document | Attendance Register |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Records |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Records of the attendance of the employees. Address: Adm. Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: mail@spices.res.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

Categories etc Seniority Lists in respect of various cadres / posts

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|--|--|
| Name/title of the document | Seniority Lists in respect of various cadres / posts |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | List |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Seniority Lists in respect of various cadres / posts Address: Adm. Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: director.spices@icar.gov.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

ACRs / Assessment Reports of employees

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|--|--|
| Name/title of the document | ACRs / Assessment Reports of employees |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Reports |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Address: Adm. Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: director.spices@icar.gov.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

OM

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| Name/title of the document | OM |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Manual |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Instructions regarding different types of administrative matters. Address: Administrative Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: director.spices@icar.gov.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

Records

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| Name/title of the document | Records |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Files |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Files on different subjects Address: Administrative Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: director.spices@icar.gov.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

Registers

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| Name/title of the document | Registers |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | File movement registers. |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Records for file movement from one section to other sections. Address: Administrative Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: director.spices@icar.gov.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

Diary Registers

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| Name/title of the document | Diary Registers |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Records |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Records regarding incoming receipts. Address: Administrative Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: director.spices@icar.gov.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

Despatch Registers

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| Name/title of the document | Despatch Registers |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Records |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Records regarding outgoing letters. Address: Administrative Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: director.spices@icar.gov.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

Reservation Rosters

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| Name/title of the document | Reservation Rosters |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Records |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Records regarding reservations for SC/ST/OBC categories. Address: Administrative Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: director.spices@icar.gov.in Website: www.spices.res.in |

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| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |
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Pay Bill Registers

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| Name/title of the document | PBR |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Records |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Pay Bill registers of staff. Address: Administrative Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: director.spices@icar.gov.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

Stock Register

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| Name/title of the document | Stock Register |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Records |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Records for the stores. Address: Administrative Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: director.spices@icar.gov.in Website: www.spices.res.in |

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| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |
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Cash Book

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| Name/title of the document | Cash Book |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Records |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Records on payments and receipts of the Institute Address: Adm. Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: director.spices@icar.gov.in Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

Attendance Register

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| Name/title of the document | Attendance Register |
| Type of the document [Choose one of the types given below: (Rules, Regulations, Instructions, Manual, Records, Others)] | Records |
| Brief Write-up on the Document From where one can get a copy of rules, regulations, instructions, manual and records? | Records of the attendance of the employees. Address: Adm. Officer Telephone No. : 0495/ 2731410 / 2731753 / 2731345 / 2730550 Fax: 0495-2731187 E-mail: director.spices@icar.gov.in |

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| | Website: www.spices.res.in |
| Fee charged by the department for a copy of rules, regulations, instructions, manual and records (if any) | As per Government Rules |

ICAR - INDIAN INSTITUTE OF SPICES RESEARCH

KOZHIKODE - 673 012, KERALA

LIST OF COMMITTEES / NODAL OFFICERS

| | | |
|---|--|---------------------|
| I | INSTITUTE MANAGEMENT COMMITTEE | |
| 01 | Director | Chairman |
| 02 | Directorate of Agriculture, Thiruvananthapuram | Member |
| 03 | Directorate of Horticulture, Chennai | Member |
| 04 | RARS, KAU, Pattambi | Member |
| 05 | Sri. T P Suresh, Srigovindam, Kunnamangalam | Non-official Member |
| 06 | Sri. K K Rajeevan, Karuvangadiyil, Villiapalli, Kozhikode | Non-official Member |
| 07 | Dr. Makesh Kumar, Principal Scientist, CTCRI, Trivandrum | Member |
| 08 | Dr. Madhavi Reddy, Principal Scientist, IIHR, Bangalore | Member |
| 09 | Dr. A. Iswara Bhat, Principal Scientist, IISR, Calicut | Member |
| 10 | Dr. Vinayaka Hedge, Principal Scientist, CPCRI, Kasaragod | Member |
| 11 | Asst. Director General (H-II), ICAR, KAB-II, Pusa, New Delhi | Member |
| 12 | Finance Officer | Member |
| 13 | Administrative Officer, ICAR-IISR, Kozhikode | Member Secretary |
| Functions : As per ICAR guidelines | | |
| II | RESEARCH ADVISORY COMMITTEE | |
| 01 | Prof. M C Varshneya, Former VC, Kamdhenu University, APAU | Chairman |
| 02 | Dr. R N Pal, Former ADG (PC), ICAR | Member |
| 03 | Dr. V S Korikanthimath, Former Director, ICAR-CCARI, Goa | Member |
| 04 | Dr. Srikant Kulkarni, Former Prof. & Head, UAS, Dharwad | Member |
| 05 | Dr. Suresh Walia, Former Proferssor, IARI, New Delhi | Member |
| 06 | Shri. T P Suresh, Srigovindam, Kunnamangalam | IMC Nominee |
| 07 | Sri. K K Rajeevan, Karuvangadiyil, Villiapalli, Kozhikode | Member |
| 08 | Dr. T. Janakiram, ADG(HS-II), ICAR_New Delhi | Member |
| 09 | Director, ICAR-IISR, Kozhikode | Ex-Officio Member |
| 10 | Dr. J Rema, Principal Scientist, ICAR-IISR, Kozhikode | Member Secretary |
| Functions : As per ICAR guidelines | | |
| III | POLICY COMMITTEE | |
| 01 | Director | Chairman |
| 02 | Project Coordinator (Spices) | Member |
| 03 | Dr .R Dinesh (Head, General Administration) | Member |
| 04 | All Heads of Divisions | Member |
| 05 | Head, Regional Station, Appangala | Member |
| 06 | Scientist-in-Charge, Chelavoor | Member |
| 07 | Scientist-in-Charge, P Muzhi | Member |
| 08 | Finance & Accounts Officer | Member |

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| 09 | Project Coordinator, KVK , Peruvannamuzhi | Member |
| 10 | Administrative Officer | Member Secretary |
| Functions : To advise on matters pertaining to policy matters of the institute | | |

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| IV | TRANSFER COMMITTEE | |
| 01 | Dr.Santhosh J Eapen, Principal Scientist | Chairman |
| 02 | Project Coordinator, AICRPS | Member |
| 03 | All Heads of Divisions | Member |
| 04 | Head, Regional Station ,Appangala | Member |
| 05 | Administrative Officer, ICAR – IISR, Kozhikode | Member |
| 06 | Finance & Accounts Officer | Member Secretary |
| Functions: As per ICAR guidelines | | |
| V | INSTITUTE JOINT STAFF COUNCIL | |
| | Official Side | |
| 01 | Director | Chairman |
| 02 | Dr. C. K. Thankamani, Principal Scientist | Member |
| 03 | Dr. Muhammed Faisal Peeran, Scientist | Member |
| 04 | Mr. E. S. Sujeesh, Senior Technical Officer | Member |
| 05 | Administrative Officer | Member |
| 06 | Finance & Accounts Officer | Member |
| 07 | Dr. Lijo Thomas, Scientist | Member Secretary |
| | Staff Side | |
| 01 | Mr. R. N. Subramanian, Asst. Administrative Officer | Member, CJSC |
| 02 | Mr. H. C. Rathish, Senior Technical Assistant | Member |
| 03 | Mr. C. K. Jayakumar, Programme Assistant | Member |
| 04 | Mr. C. V. Ravindran, Skilled Support Staff | Member |
| 05 | Mr. B. K. Poovappa, Skilled Support Staff | Member |
| 06 | Mr. V. V. Sayed Mohammed, Assistant | Secretary, Staff Side |
| Functions: As per ICAR guidelines | | |
| VI | PRIORITIZATION, MONITORING AND EVALUATION COMMITTEE | |
| 01 | Director | Chairman |
| 02 | Project Coordinator (Spices) | Member |
| 03 | Head, Crop Improvement & Biotechnology | Member |
| 04 | Head, Crop Production & PHT | Member |
| 05 | Head, Crop Protection | Member |
| 06 | Head, Regional Station, Appangala | Member |
| 07 | Officer in Charge, PME Cell | Member |
| 08 | Dr. V. Srinivasan(Officer in Charge RFD) | Member Secretary |
| Functions: To prioritize, monitor and to evaluate the initial project proposal s – RPF-I | | |
| VII | PRIORITIZATION, MONITORING AND EVALUATION CELL (PME Cel I) | |
| 01 | Dr. A Ishwara Bhat, Officer in Charge | Officer in charge |
| 02 | Dr . V. Srinivasan, Principal Scientist & Nodal Officer RFD | Member |
| 03 | Secretary, Institute Research Council | Member |
| 04 | Secretary, HRD & IDC | Member |

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| 05 | Scientist (Economics) | Member |
| 06 | Mr. K. Jayarajan, Nodal Officer, PERMISNET | Member |
| Functions: To assist in prioritization, monitoring and evaluation of research projects. To coordinate technical matters of the institute. | | |

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| VIII | RESULTS FRAMEWORK DOCUMENT COMMITTEE | |
| 01 | Director | Chairman |
| 02 | Administrative Officer | Member |
| 03 | Dr. A Ishwara Bhat (Secretary PME) | Member |
| 04 | Dr. V. Srinivasan, Principal Scientist | Nodal Officer |
| 05 | Dr. D. Prasath, Principal Scientist | Co-Nodal officer |
| Functions: To prepare RFD of the institute | | |
| IX | INSTITUTE RESEARCH COUNCIL | |
| 01 | Director | Chairman |
| 02 | All Scientists | Members |
| 03 | Dr. R Dinesh, Principal Scientist | Member Secretary |
| Functions : To approve new project proposals and review the progress of work in research projects | | |
| X | HUMAN RESOURCES DEVELOPMENT & INSTITUTE DEPUTATION COMMITTEE (HRD & IDC) | |
| 01 | Director | Chairman |
| 02 | Dr. Prasath, Principal Scientist | Vice Chairman |
| 03 | Dr. C K Thankamani, Head i/c, Crop Production | Member |
| 04 | Dr. Saji K V, Principal Scientist | Member |
| 05 | Dr. C N Biju, Sr. Scientist | Member |
| 06 | Dr. E Jayashree, Principal Scientist | Member |
| 07 | Administrative Officer | Member |
| 08 | Finance & Accounts Officer | Member |
| 09 | Dr. Sarathambal, Scientist | Member Secretary |
| Functions: To consider and recommend deputation of staff for symposia / training being organized within India / abroad, study leave for Ph.D., candidature for Ph.D. and project work of M.Sc. / M. Phil students . | | |
| XI | INSTITUTE TECHNOLOGY MANAGEMENT COMMITTEE | |
| 01 | Dr. C K Thankamani, Principal Scientist & Head i/c (Crop Production) | Chairman |
| 02 | Dr. J Rema, Principal Scientist & Head i/c (Crop Improvement) | Vice Chairperson |
| 03 | Dr. Santhosh J Eapen, Principal Scientist & Head Crop Protection | Member |
| 04 | Secretary, IRC | Member |
| 05 | Scientist - in- Charge, PME | Member |
| 06 | Dr. George Ninan, ZTMU, ICAR-CIFT IPR Expert | Member |
| 07 | Dr. E. Jayashree, Principal Scientist | Member |
| 08 | Dr. T. E. Sheeja, Principal Scientist | Member |
| 09 | Dr. Lijo Thomas, Scientist | Member Secretary |
| Functions: To commercialize institute technologies, dealing IPR issues and consultancy of scientists. | | |
| XII | AGRICULTURAL TECHNOLOGY FORESIGHT COMMITTEE | |

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| 01 | Director | Chairman |
| 02 | Dr. Santhosh J Eapen, Principal Scientist & Head Crop Protection | Member |
| 03 | Dr. J Rema, Principal Scientist & Head i/c (Crop Improvement) | Member |
| 04 | Dr. C K Thankamani, Principal Scientist & Head i/c (Crop Production) | Member |
| 05 | Member Secretary, ITMU / BPD | Member |
| 06 | Nodal Officer, RFD/PME | Member |
| 07 | Dr. Lijo Thomas, Scientist | Member |
| 08 | Dr. C. M. Senthil Kumar, Senior Scientist | Member Secretary |
| Functions: To plan for technology development for future needs of all stake holders. | | |
| XIII | OFFICIAL LANGUAGE IMPLEMENTATION COMMITTEE | |
| 01 | Director | Chairman |
| 02 | Dr. Lijo Thomas, Scientist | Vice-Chairman |
| 03 | Dr. J. Rema, Principal Scientist & Head i/c (Crop Improvement) | Member |
| 04 | Administrative Officer | Member |
| 05 | Finance & Accounts Officer | Member |
| 06 | Mr. V. C. Sunil, Assistant | Member |
| 07 | Dr. P. Rajeev, Principal Scientist | Member |
| 08 | Ms. N. Prasanna Kumari, Senior Technical Officer | Member Secretary |
| Functions : To monitor implementation of official language and popularize use of Hindi in the institute | | |
| XIV | LIBRARY ADVISORY COMMITTEE | |
| 01 | Director | Chairman |
| 02 | Dr. R Ramakrishnan Nair, Principal Scientist | Member |
| 03 | Dr. Rajeev P, Principal Scientist | Member |
| 04 | Library in Charge, Regional Station, Appangala | Member |
| 05 | Dr. C N Biju, Scientist | Member |
| 06 | Dr. C. Sarathambal, Scientist | Member |
| 07 | Finance & Accounts Officer | Member |
| 08 | Administrative Officer | Member |
| 09 | Mr. M. P. Ramesh Kumar, Chief Technical Officer | Member Secretary |
| Functions : To support the functioning of the library and to facilitate the development plans by advocating the library development activities with the management and to aid in the establishment of a bridge between the Library and the academic fraternity and the Institute Management. | | |
| XV | PUBLICATION COMMITTEE | |
| 01 | Dr. K S Krishnamurthy, Principal Scientist | Chairman |
| 02 | Dr. P. Rajeev, Principal Scientist | Member |
| 03 | Mr. V A Muhammed Nissar | Member |
| 04 | Dr. Lijo Thomas, Scientist | Member |
| 05 | Ms. Sivaranjani, Scientist | Member |

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| 06 | Ms. S Aarthi, Scientist | Member |
| 07 | Mr. A. Sudhakaran, Technical Officer | Member |
| 08 | Dr. C N Biju | Member Secretary |

Functions: To advise on institute publications, and review and recommend popular articles and radio talks. Dr. CN Biju, Ms.Aarthi S and Mr. M. P. Ramesh Kumar would edit 'Spices News'. Separate editorial committees will be formed for other publications. For Research Highlights and Annual Report, the IRC Secretary will be ex-officio member.

| XVI | INSTITUTE BIOSAFETY COMMITTEE | |
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| 01 | Director | Chairman |
| 02 | Dr. T. Makesh Kumar, Principal Scientist, ICAR-CTCRI, Thiruvananthapuram | DBT Nominee |
| 03 | Dr. M. K. Rajesh, Principal Scientist, ICAR-CPCRI, Kasaragod | Outside Expert |
| 04 | Dr. J Beena Philomina, Professor & Head, Dept. of Microbiology, Govt. Medical College, Kozhikode | Bio safety Officer |
| 05 | Dr. Santhosh J. Eapen, Head, Crop Protection | Member |
| 06 | Dr. A. Ishwara Bhat, Principal Scientist | Member |
| 07 | Dr. T E Sheeja, Principal Scientist | Member |
| 08 | Dr. Umadevi P | Member Secretary |
| Functions: To monitor recombinant DNA experiments being undertaken at the institute, to conduct mandatory meetings, maintenance of records and sending periodic reports. | | |
| XVII | STUDY CIRCLE | |
| 01 | Director | Chairman |
| 02 | All Scientists, Technical Officers & Research Scholars. | Members |
| 03 | Dr. R. Praveena, Scientist | Member Secretary |
| Functions : To approve research articles for publication and deliberate on research issues pertaining to the institute. | | |
| XVIII | FARM ADVISORY COMMITTEE, CHELAVOOR & PERUVANNAMUZHI | |
| 01 | Director | Chairman |
| 02 | All Heads of Divisions | Members |
| 03 | Programme Coordinator, KVK | Member |
| 04 | Scientist-in-Charge, Chelavoor Farm | Member |
| 05 | Scientist-in-Charge, Peruvannamuzhi Farm | Member |
| 06 | All Scientists | Members |
| 07 | Administrative Officer | Member |
| 08 | Finance & Accounts Officer | Member |
| 09 | Asst. Administrative Officer (Stores / Works) | Member |
| 10 | Technical Officer (Farm), Chelavoor Farm / Peruvannamuzhi Farm | Member Secretary |
| Functions: To advise on matters related to Chelavoor / Peruvannamuzhi Farm | | |
| XIX | FARM DEVELOPMENT COMMITTEE, CHELAVOOR, PERUVANNA MUZHI & APPANGALA | |
| 01 | Director | Chairman |
| 02 | Scientist-in-charge, Regional Station, Appangala | Co-Chairman |
| 03 | Dr. J Rema, Principal Scientist | Member |
| 04 | Dr. Alagupalamuthirsholai, Scientist | Member |
| 05 | Mr. V A Muhammed Nissar, Scientist | Member |
| 06 | Dr. P S Manoj, SMS, KVK | Member |
| 07 | Scientist-in-Charge, Chelavoor Farm | Member |
| 08 | Scientist-in-charge, Peruvannamuzhi Farm | Member |
| 09 | Technical Officer (Farm), Chelavoor Farm / Peruvannamuzhi Farm | Member Secretary |
| Functions : To plan and develop farm activities of Chelavoor, Peruvannamuzhi, KVK & RS Appangala. | | |
| XX | ATIC ADVISORY COMMITTEE | |
| 01 | Director | Chairman |
| 02 | All Heads of Divisions | Member |

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| 03 | Administrative Officer | Member |
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| 04 | Finance &Accounts Officer | Member |
| 05 | Manager, ATIC | Member Secretary |

Functions: To advise on matters related to ATIC

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| XXI | CONTRACT SERVICE COMMITTEE | |
| 01 | Dr. C K Thankamani, Principal Scientist | Chairperson |
| 02 | Dr. R Dinesh (Head, General Administration) | Member |
| 03 | Dr.E.Jayashree, Principal Scientist | Member |
| 04 | Scientist-in-Charge, Chelavoor Farm/ Peruvannamuzhi Farm/ Appangala | Member |
| 05 | Finance & Accounts Officer / AFAO | Member |
| 06 | Administrative Officer | Member |
| 07 | Asst. Administrative Officer (Stores / Works) | Member Secretary |

Functions: To scrutinize engagement of manpower through outsourcing.

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| XXII | PURCHASE COMMITTEE | |
| 01 | Dr. J Rema, Principal Scientist | Chairman |
| 02 | Dr .T E Sheeja, Principal Scientist | Member |
| 03 | Dr. E Jayashree, Principal Scientist | Member |
| 04 | Dr. C M Senthil Kumar,Sr. Scientist | Member |
| 05 | Dr. Anees K, Scientist | Member |
| 06 | Mr. M P Ramesh Kumar, Chief Technical Officer | Member |
| 07 | Asst. Fin. & Accts Officer | Member |
| 08 | Asst. Admn. Officer(Stores) | Member Secretary |

Functions : To conduct the Purchase Committee meeting and scrutinize and reco mmend the various proposals r elated to Purchase, opening of quotations received for various purcha se (any three members o f the committee) and preparing the proceedings of the meeting .

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| XXIII | PURCHASE ADVISORY COMMITTEE | |
| 01 | Director | Chairman |
| 02 | Heads of Divisions | Member |
| 03 | Head , General Administration / Administrative Officer | Member |
| 04 | Finance & Accounts Officer | Member Secretary |

Functions: To monitor all the purchases / works costing Rs.10.00 lakhs and above.

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| XXIV | LOCAL PURCHASE COMMITTEE | |
| 01 | Mr. Jayarajan K, Asst. Technical Officer | Chairman |
| 02 | Indentor | Member |
| 03 | Mr. K Krishnadas, Estate Officer | Member |

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| 04 | Asst. Fin & Accts Officer | Member |
| 05 | Asst. Admn Officer (Stores) | Member Secretary |
| Functions: To conduct survey and prepare report of purchases of items below 2.50 lakhs and prepare its proceedings. | | |
| XXV | SEED / PLANTING MATERIAL COMMITTEE | |
| 01 | Director | Chairman |
| 02 | Head, Crop Production & PHT | Member |
| 03 | Head, Crop Improvement & Biotechnology | Member |
| 04 | Head, Crop Protection | Member |
| 05 | Scientist-in-Charge, Peruvannamuzhi Farm/ Chelavoor Farm/ Appangala | Member |
| 06 | Dr. R Praveena, Scientist | Member |
| 07 | Dr. Sellaperumal, Scientist | Member |
| 08 | Ms. Aarthi S, Scientist | Member |
| 09 | Mr. Muhammed Nissar V. A, Scientist | Member |
| 10 | Officer in charge, MIDH | Member Secretary |
| Functions: To monitor targets, production and certification of planting material. | | |
| XXVI | PRICE FIXATION COMMITTEE | |
| 01 | Dr. Lijo Thomas, Scientist | Chairman |
| 02 | Scientist-in-Charge, Chelavoor Farm | Member |
| 03 | Scientist-in-Charge, Peruvannamuzhi | Member |
| 04 | Scientist-in-Charge, Appangala | Member |
| 05 | Manager, ATIC | Member |
| 06 | Office in charge, BPD / ITMU | Member |
| 07 | Asst. Finance & Accounts Officer | Member |
| 08 | Secretary, Staff Side, IJSC | Member |
| 09 | Administrative Officer | Member Secretary |
| Functions: To recommend prices of farm produce. | | |
| XXVII | INSTITUTE WEBSITE AND LAN COMMITTEE | |
| 01 | Dr. R Dinesh, Principal Scientist | Chairman |
| 02 | Dr. Lijo Thomas, Scientist | Member |
| 03 | Dr. Anees K, Scientist | Member |
| 04 | Mr. M.P.Ramesh Kumar, CTO | Member |
| 05 | Mr. V. V. Sayed Mohammed, Assistant | Member |
| 06 | Mr. K. Jayarajan, Asst. Chief Technical Officer | Member Secretary |
| Functions: To update the institute website and LAN on regular basis | | |
| XXVIII | ISO & NABL COMMITTEE | |
| 01 | Director | Chairman |
| 02 | Dr. Leela NK, Principal Scientist | Vice Chairman |
| 03 | Dr. Anees, Scientist | Member |

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| 04 | Dr. A. Ishwara Bhat, Principal Scientist | Member |
| 05 | Dr. C M Senthil Kumar, Sr. Scientist | Member |
| 06 | Ms. Sivaranjini, Scientist | Member |
| 07 | Mr. K Krishnadas, Technical Officer | Member |
| 08 | Finance & Accounts Officer | Member |
| 09 | Asst. Admn. Officer(Estt.) & Mrs. Sali P V | Member Secretary |
| Functions: Maintenance of ISO & NABL of the institute | | |
| XXIX | COMMITTEE FOR IMPLEMENTATION OF MIS & FMS | |
| 01 | Administrative Officer | Nodal Officer |
| 02 | Finance & Accounts Officer | Member |
| 03 | Drawing & Disbursing Officer | Member |
| 04 | Dr. E Radha, Asst. Chief Tech .Officer | Member |
| 05 | Mr. V. V. Sayed Mohammed, Assistant | Member |
| 06 | Mr. K. Jayarajan, Asst. Chief Technical Officer | Member Secretary |
| Functions: To implement Management Information System and Financial Management System in the institute | | |
| XXX | INSTITUTE STAFF WELFARE FUND COMMITTEE | |
| 01 | Director | Chairman |
| 02 | Dr. J. Rema, Principal Scientist & Head i/c, Crop Improvement | Member |
| 03 | Dr. C. K. Thankamani, Principal Scientist | Member |
| 04 | Dr. Umadevi P, Scientist | Member |
| 05 | Dr. E. Radha, Asst. Chief Tech. Officer | Member |
| 06 | Administrative Officer | Member |
| 07 | Finance & Accounts Officer | Member |
| 08 | Caretaker | Member |
| 09 | Asst. Finance & Accounts Officer | Member Secretary |
| Functions: To develop canteen and recreation facilities; promotion of sports and cultural activities; assisting ailing members of staff and their families and providing succour to families staff who die in harness. | | |
| XXXI | SPORTS PROMOTION COMMITTEE | |
| 01 | Dr. Lijo Thomas, Scientist | Chairman |
| 02 | Dr. Anees K, Scientist | Member |
| 03 | Ms. Sivaranjini, Scientist | Member |
| 04 | Mr. P. Muraleedharan, Asst. Admn. Officer | Member |
| 05 | Mr. P. Sundaran, Asst. Admn. Officer | Member Secretary |
| Functions: To encourage sports activities and making arrangements for taking part in sports competitions. | | |
| XXXII | CANTEEN (CHELAVOOR) - EXECUTIVE COMMITTEE | |
| 01 | Dr. Ramesh Kumar, M P, Chief Technical Officer | Chairman |
| 02 | Dr. K.V.Saji, Principal Scientist | Member |

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|---|--|------------------|
| 03 | Dr. E Radha, Asst. Chief Tech.Officer | Member |
| 04 | Mr. K.Krishnadas, Technical Officer | Member |
| 05 | Ms. C M Kamalam, Skilled Support Staff | Member |
| 06 | Representative-Research Scholar | Member |
| 07 | Mr. O.G.Sivadas, Technician | Convenor |
| Functions : To manage the canteen at Chelavoor. | | |
| XXXIII | CANTEEN (PERUVANNAMUZHI) - EXECUTIVE COMMITTEE | |
| 01 | Mr. E S Sujeesh, Sr. Technical Officer | Chairman |
| 02 | Ms. A. Deepthi, SMS, KVK | Member |
| 03 | Mr. T. R. Sadasivan, Technical Assistant | Member |
| 04 | Ms. P. N. Kausalya, SSS | Member |
| 05 | Mr. B. T. Hareesh, Technician | Member Secretary |
| 06 | Mr. N.A.Madhavan, Technical Officer | Convenor |
| Functions: To manage the canteen at Peruvannamuzhi. | | |
| XXXIV | RECREATION CLUB, CHELAVOOR (EXECUTIVE COMMITTEE) | |
| 01 | Director | President |
| 02 | Dr. C.K.Thankamani, Principal Scientist | Vice President |
| 03 | Mrs. M. Seema, UDC | Joint Secretary |
| 04 | Mr. P.T. Jayaprakash, Lower Division Clerk | Treasurer |
| 05 | Dr. Lijo Thomas, Scientist | Member |
| 06 | Mr. V.V. Sayed Mohammed, Assistant | Member |
| 07 | Ms. C. M. Kamalam, SSS | Member |
| 08 | Mr Mohammed Faraz , Research Scholar | Member |
| 09 | Ms. R. Sivaranjini, Scientist | Secretary |
| Functions : To organize recreation activities for staff at Chelavoor campus. | | |
| XXXV | RECREATION CLUB, PERUVANNAMUZHI (EXECUTIVE COMMITTEE) | |
| 01 | Scientist in Charge, Peruvannamuzhi Farm | President |
| 02 | Dr. P. Rathakrishnan, Programme Coordinator, KVK | Vice President |
| 03 | Ms. Aiswariya K K, SMS, KVK | Treasurer |
| 04 | Mr. B. T. Hareesh, Technician | Member |
| 05 | Mr. Rashmish A R, Technician | Member |
| 06 | Mr. K. Faisal, Personal Assistant | Member |
| 07 | Ms. Rejina P. Govind, Technician | Joint Secretary |
| 08 | Mr. T R Sadasivan, Technical Assistant | Secretary |
| Functions : To organize recreation activities for staff at Peruvannamuzhi campus | | |
| XXXVI | QUARTERS ALLOTMENT COMMITTEE | |

| | | |
|---|--|------------------|
| 01 | Dr. R Dinesh, Principal Scientist & Head (Genral Admn) | Member |
| 02 | Officer in charge, Regional Station, Appangala | Member |
| 03 | Mr. E. S. Sujeesh, Farm Supdt, Peruvannamuzhi | Member |
| 04 | Member, CJSC | Member |
| 05 | Finance & Accounts Officer | Member |
| 06 | Administrative Officer | Member Secretary |
| Functions: To take decisions regarding allotment of staff quarters to eligible applicants. | | |
| XXXVII | PROPRIETARY COMMITTEE | |
| 01 | Dr. R Ramakrishnan Nair, Principal Scientist | Chairman |
| 02 | Dr. A Ishwara Bhat, Principal Scientist | Member |
| 03 | Dr. V Srinivasan, Principal Scientist | Member |
| 04 | Dr. Sarathambal, Scientist | Member Secretary |
| Functions: A certificate to the effect the proposed item to be procured may b e issued. | | |
| XXXVIII | WORKS COMMITTEE | |
| 01 | Dr. D Prasath, Principal Scientist | Chairman |
| 02 | Officer-in-Charge, Chelavoor Farm | Member |
| 03 | Dr. K Anees, Scientist | Member |
| 04 | Dr.S Hamza, Chief Technical Officer | Member |
| 05 | Administrative Officer | Member |
| 06 | Finance & Accounts Officer | Member |
| 07 | Asst. Admn. Officer (Works) | Member Secretary |
| Functions: To conduct the Works Committee meeting and scrutinize and rec ommend the various proposals related to Works, opening of quotations received for various work s (any three members of the committee) and preparing the proceedings of the meeting. | | |
| XXXIX | INSTRUMENT MONITORING COMMITTEE | |
| 01 | Dr. R Ramakrishnan Nair, Principal Scientist | Chairman |
| 02 | Ms. R Sivaranjini, Scientist | Member |
| 03 | Dr. Sarathambal, Scientist | Member |
| 04 | Dr. P Umadevi, Scientist | Member Secretary |
| Functions: To monitor the functioning, repair and maintenance of equipments and conduct the meeting a nd prepare its proceedings. | | |
| XL | COMMITTEE FOR MONITORING CROP-WEATHER SITUATION | |
| 01 | Director | Chairman |
| 02 | Dr. R Dinesh, Principal Scientist, Head G A | Member |
| 03 | Dr. K. S. Krishnamurthy, Principal Scientist | Member |
| 04 | Dr. C. M Senthil Kumar, Senior Scientist | Member Secretary |
| Functions : To report crop-weather situation including occurrence of pests and diseases at fortnightl y intervals. | | |
| XLI | GRIEVANCE CELL | |
| 01 | Director | Chairman |
| 02 | Dr. C K Thankamani, Head i/c Crop Production & PHT | Member |

| | | |
|--|---|------------------|
| 03 | Administrative Officer | Member |
| 04 | Finance & Accounts Officer | Member |
| 05 | Dr. E Radha, Asst. Chief Technical Officer | Member |
| 06 | Mrs. C M Kamalam, Skilled Support Staff | Member |
| 07 | Asst. Administrative Officer (Estt.) | Member Secretary |
| Functions: To redress grievances of staff . | | |
| XLII | WOMEN'S COMPLAINT COMMITTEE | |
| 01 | Dr. J Rema, Principal Scientist | Chairman |
| 02 | Dr. Femina, Dy. Director, DASD, Calicut | External Member |
| 03 | Dr. C Sarathambal, Scientist | Member |
| 04 | Dr. K K Aiswarya, SMS, KVK | Member |
| 05 | Mr. P Muraleedaran, AAO (Regional Station, Appangala) | Member |
| 06 | Mrs. N Rebeena, LDC | Member Secretary |
| Functions: To examine charges of sexual harassment of women in workplace. | | |
| XLIII | WOMEN'S CELL | |
| 01 | Director | Chairman |
| 02 | Dr. T E Sheeja, Principal Scientist | Vice Chairman |
| 03 | Dr. C. Sarathambal, Scientist | Member |
| 04 | Ms. M. Seema, UDC | Member |
| 05 | Ms. N. Karthika, Technician | Member |
| 06 | Research Scholar (Representative) | Member |
| 07 | Ms. S Aarathi, Scientist | Member Secretary |
| Functions : To cater to the welfare of women staff. | | |
| XLIV | COMMITTEE FOR SC/ ST | |
| 01 | Dr. C K Thankamani, Principal Scientist | Chairperson |
| 02 | Dr. S Shanmugavel, SMS, KVK | Member |
| 03 | Mrs. P K Chandravally, Technical Officer | Member |
| 04 | Mr. P Sundaran, Asst. Admn Officer | Member Secretary |
| Functions: To address issues specific to SC and ST members of staff. | | |
| XLV | COMMITTEE FOR OBC | |
| 01 | Dr. K V Saji, Principal Scientist | Chairman |
| 02 | Dr. P S Manoj, SMS, KVK | Member |
| 03 | Dr. E Radha, Asst. Chief Technical officer | Member |
| 04 | Mr. V C Sunil, Assistant | Member Secretary |
| Functions: To address issues specific to OBC members of staff | | |

NODAL OFFICERS

| | |
|----------|---|
| I | VIGILANCE OFFICER Dr. A Ishwara Bhat, Principal Scientist |
|----------|---|

| | |
|--------------|---|
| II | NODAL OFFICERS FOR PUBLIC INFORMATION Administrative Officer - Public Information Officer Ms. C.K.Beena, PA, Asst. Public Information Officer |
| III | TRANSPARENCY OFFICER Head (General Admn.) & Administrative Officer |
| IV | PUBLICITY OFFICERS Dr.P.Rajeev, Principal Scientist Dr. Lijo Thomas, Scientist |
| V | SCIENTIST-IN-CHARGE, CHELAVOOR FARM Dr. K. V. Saji, Principal Scientist |
| VI | SCIENTIST-IN-CHARGE, PERUVANNAMUZHI FARM Dr. C.N.Biju ,Sr. Scientist |
| VII | CONTACT OFFICER, ICAR-IISR REGIONAL STATION, APPANGALA Dr K.V.Saji, Principal Scientist |
| VIII | MANAGER, AGRICULTURE TECHNOLOGY INFORMATION CENTRE Dr. P Rajeev, Principal Scientist |
| IX | NODAL OFFICER TO MONITOR COURT CASES Dr. Santhosh J Eapen, Principal Scientist & Head, Crop Protection |
| X | NODAL OFFICER FOR HYPM Dr. V. Srinivasan, Principal Scientist |
| XI | NODAL OFFICER FOR RESEARCH DATA MANAGEMENT Dr. Santhosh J. Eapen, Head, Crop Protection |
| XII | NODAL OFFICER FOR PERMISNET Mr. K. Jayarajan, Asst. Chief Technical Officer |
| XIII | COORDINATOR, BIOINFORMATICS Dr. Santhosh J. Eapen, Head, Crop Protection/ Dr.Prasath D, Principal Scientist |
| XIV | NODAL OFFICER, DISC / AKMU Mr. K. Jayarajan, Assistant Chief Technical Officer |
| XV | NODAL OFFICER FOR SCIENTISTS MEETING Ms. P. Umadevi, Scientist |
| XVI | NODAL OFFICER FOR EXPERIMENTS WITH ANIMALS Dr. A. Ishwara Bhat, Principal Scientist |
| XVII | NODAL OFFICER FOR 'MERA GAON MERA GAURAV' Dr. P. Rajeev, Principal Scientist |
| XVIII | NODAL OFFICER FOR MAPPING OF NATURAL RESOURCES Dr. J Rema, Principal Scientist & Head i/c, Crop Improvement |
| XIX | NODAL OFFICER FOR TRIBAL SUB-PLAN Dr. C K Thankamani, Principal Scientist/Dr. P. Rajeev, Principal Scientist |
| XX | NODAL OFFICER FOR IMPLEMENTATION OF AADHAR ENABLED BIOMETRIC ATTENDANCE SYSTEM Asst. Administrative Officer (Estt.) (with the assistance of Mr. V V Sayed Mohammed) |
| XXI | NODAL OFFICER – NKN, KRISHI PORTAL Dr. Santhosh J Eapen, Principal Scientist |

| | |
|---------------|--|
| XXII | NODAL OFFICER FOR ERP Mr. V. V. Sayed Mohammed, Assistant / Mr. K.Jayarajan, ACTO |
| XXIII | NODAL OFFICERS FOR REPORTING STATUS OF PESTS Dr. C. M. Senthil Kumar, Senior Scientist/Dr.Sella Perumal, Scientist |
| XXIV | NODAL OFFICERS FOR E-GOVERNANCE / E-PROCUREMENT Finance & Accounts Officer/Asst Admn Officer (Stores) |
| XXV | NODAL OFFICER FOR E-PAYMENT/PFMS Finance & Accounts Officer /Mr.Rahul P K |
| XXVI | NODAL OFFICER FOR IMPLEMENTATION OF IPV6 Mr. K. Jayarajan, Assistant Chief Technical Officer |
| XXVII | NODAL OFFICER FOR IMPLEMENTING OFFICIAL LANGUAGE Dr. Lijo Thomas, Scientist |
| XXVIII | OFFICER-IN-CHARGE, SILVER JUBILEE HALL / OFFICER IN CHARGE STUDY CIRCLE Dr. R. Praveena, Scientist |
| XXIX | OFFICER IN CHARGE COMMITTEE ROOM(DIRECTOR'S OFFICE) Mr. K Jayarajan, Asst. Chief Tech. Officer |
| XXX | RECORDS Administrative Officer/AAO Estt./FAO |
| XXXI | STOCK VERIFICATION OFFICER Mrs. P V Sali , PS to Director / AAO (Stores) |
| XXXII | OFFICER-IN-CHARGE, VEHICLES Mr. M P Ramesh Kumar, CTO/Mr.P.Sundaran, AAO (Stores) |
| XXXIII | ESTATE OFFICER Mr. K. Krishna Das, Technical Officer |
| XXXIV | OFFICER-IN-CHARGE, GUEST HOUSE Mr. P. T. Jayaprakash, LDC... He will perform the responsibilities under the supervision of Administrative Officer/ Care Taker, Chelavoor Campus. |
| XXXV | CARETAKER, CHELAVOOR CAMPUS Mr. V. V. Sayed Mohammed, Assistant |

All the Committees shall meet as per the time schedule wherever prescribed and others on quarterly basis and record the proceedings. The new Committees / Nodal Officers etc. shall take up the assignment with immediate effect from 1st April , 2019.

Head (General Administration)



ICAR-IISR DIRECTORY



2017

ICAR-INDIAN INSTITUTE OF SPICES RESEARCH
KOZHIKODE-673012, KERALA

ICAR-IISR

DIRECTORY



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February 2017

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| TECHNICAL STAFF | |
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| SCIENTIFIC STAFF | |
| TECHNICAL STAFF | |
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| SCIENTIFIC STAFF | |
| TECHNICAL STAFF | |
| ADMINISTRATCE | |
| SUPPORTING | |
| KVK, Peruvannamuzhi | |
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| TECHNICAL STAFF | |
| ADMINISTRATCE | |
| SUPPORTING | |
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| Director Dr. K. Nirmal Babu | 333 |
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| Sougandhikam-First Floor | 278 |
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Phone: 0496-2616730

Present Address

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Perambra, Kozhikode-673528, Kerala

Permanent Address

Same as above

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Present Address

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IISR Experimental farm, Kozhikode-673528, Kerala

Permanent Address

Elamkoottil House, P.O. Pallikuth
Nilambur, Malappuram-679334, Kerala

Ms. Girija N.K.

Skilled Support Staff

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Phone: 0496-2619047

Present Address

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Perambra, Kozhikode-673528, Kerala

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Skilled Support Staff

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Present Address

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Perambra Kozhikode-673528, Kerala

Permanent Address

Kalapurackal House, P.O. Peruvannamuzhi

Perambra, Kozhikode-673528, Kerala

Ms. Sarada V.P.

Skilled Support Staff

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Present Address

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Kayanna via, Kozhikode-673526, Kerala

Permanent Address

Same as above

KRISH VIGYAN KENDRA

**Peruvannamuzhi P.O
Kozhikode, Kerla- 6735228**

Phone: 0496-2662372

Dr P. Rathakrishnan

Senior Scientist & Programme Coordinator

E-mail: rathakrishnan@spices.res.in

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Phone: 0496-2249099

Present Address

Indrabala Illam, P.O. Perambra

Near backside Perambra Block office

PP 5/226, Paratupara Road, Kozhikode-673525, Kerala

Permanent Address

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Tuticorin-628002, Tamil Nadu

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Subject Matter Specialist (Plant Protection)

E-mail: aiswariya@spices.res.in, aiswariyakk@gmail.com

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Phone: 4972728690

Present Address

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Kozhikode-673525, Kerala

Permanent Address

Sree Govind, P.O. Kakkad

Kannur-670005, Kerala

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Mobile: 9895719925

Phone: 8547280351

Present Address

Qtr no. 4/2, P.O. Peruvannamuzhi, Perambra,

IISR Experimental Farm, Calicut-673528, Kerala

Permanent Address

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Present Address

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Permanent Address

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Permanent Address

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Present Address

Usha Nivas, P.O. Perambra, Chenoli Road

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Permanent Address

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Present Address

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Permanent Address

Same as above

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Present Address

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Permanent Address

Same as above

Mr. Prasad T.C.

Driver /Mechanic

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Phone: 0495-2730419

Present Address

IISR Quarters, P.O. Peruvannamuzhi
Perambra-Via, Kozhikode-673528, Kerala

Permanent Address

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Near Aardhanamadom, Ammoth, Calicut-673012, Kerala

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Phone: 0496-2615018

Present Address

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2/6 Koothali, Perambra(via), Kozhikode 673525, Kerala

Permanent Address

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Mr. Faisal. K

Stenographer Gr. III

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Mobile: 8903218148

Present Address

Kalacherey House, P.O. Iyyancode

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Permanent Address

Same as above

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Skilled Support Staff

E-mail: cvravindran@spices.res.in

Mobile: 9495337703

Present Address

Cheruvilagat House, P.O. Chaniyan kadav, Vadakara
Thiruvallur (via), Kozhikode-673541, Kerala

Permanent Address

Same as above

Mr. Ravindran C.

Skilled Support Staff

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Mobile: 9447871022

Present Address

Naduvalappil meethal, P.O. Velloor, Kodakkallu
Atholi(via), Kozhikode, Kerala

Permanent Address

Same as above

IMPORTANT TELEPHONE NUMBERS IN KOZHIKODE

| Institutes | |
|--------------------------------|--------------------------|
| CMFRI CENTRE | 2382033 |
| CWRDM | 2351800 |
| DASD | 2765501 |
| NIELIT | 2287266 |
| IIM | 2809100 |
| | |
| Post Office/Couriers/Telephone | |
| Head Post Office | 2720164 |
| Post Office, Marrikunnu | 2731408 |
| Blue Dart | 2368437 |
| DTDC | 4025595 |
| Professiona Courier | 2703662 |
| Telephone complaint | 198 |
| Telephone Engquiry | 197 |
| | |
| Travels | |
| Balmer & Lawrie | 0471-231980, 2314981 |
| Calicut Air port | 0483-2719491, 2719000 |
| Indian Air Lines | 7766669 |
| KSRTC Enquirey | 2723796 |
| Railway Station Enquery | 2701234 |
| Taxi (Vennimadukunnu | 2730724 |
| | |
| Banks | |
| Central Bank, Chelavoor | 2731375 |
| SBI, Calicut | 2721049 |
| | |
| General | |
| Civil Station | 237051, 2383500 |
| Farm Information Bureau | 2370368 |
| KSEB Vellimadukunnu | 273 0286 |

Blood Group

ICAR-IISR HQ Kozhikode

| | |
|---------------------|--------|
| Binoy V.S. | A +ve |
| Rema J. | A +ve |
| Senthil Kumar C.M. | A +ve |
| Dinesh R. | A +ve |
| Subramanian R.N. | A +ve |
| Srinivasan V. | A +ve |
| Karthika | A +ve |
| John Zachariah T. | A +ve |
| Sudhakaran A. | A +ve |
| Jegadeesan K.G. | A +ve |
| Rajeev P. | A+ve |
| Ramakrishnan Nair.R | A -ve |
| Leela N.K. | B +ve |
| Suseela Bhai R. | B +ve |
| Rashid Pervez | B +ve |
| Jacob T.K. | B +ve |
| Chandravally P.K. | B +ve |
| Jayashree E. | B +ve |
| Purushu M.K. | B +ve |
| Madavan N. A. | B +ve |
| Sayed Mohammed V.V. | B +ve |
| Aarthi S. | B +ve |
| Sivaranjani R. | B +ve |
| M.S. Shivakumar | B +ve |
| Sasikumar B. | B +ve |
| Saji K.V. | B +ve |
| Sheeja T.E. | B -ve |
| Anas A. Z. | B -ve |
| Sundaran P. | AB+ve |
| Uma Devi P. | AB+ve |
| Rahul P. K. | AB -ve |

| | |
|----------------------|-------|
| Seema M. | 0 +ve |
| Ishwara Bhat A. | 0 +ve |
| K. V. Pillai | 0 +ve |
| Akshitha H. J. | 0 +ve |
| Jayaprakash P.T. | 0 +ve |
| Beena C.K. | 0 +ve |
| Rajeev P. | 0 +ve |
| O. G. Sivadas | 0 +ve |
| Rasmish A.R. | 0 +ve |
| Ramesh Kumar M.P. | 0 +ve |
| Krishnadas K. | 0 +ve |
| Kandiannan K. | 0 +ve |
| Jayarajan K. | 0 +ve |
| Hamza Srambikkal | 0 +ve |
| Johnson K George | 0 +ve |
| Krishnamurthy. K.S. | 0 +ve |
| Santhosh J. Eapen | 0 +ve |
| Muhammed Nissar V.A. | 0 +ve |
| Prasath D. | 0 +ve |
| Prasanna Kumar K.B. | 0 +ve |
| Sali P.V. | 0 +ve |
| Biju C.N. | 0 +ve |
| Shyna Deepesh | 0 +ve |
| Raveendran M.K. | 0 +ve |
| Kamalam C.M. | 0 +ve |
| Sunil V.C. | 0 +ve |
| Radha E. | 0 +ve |
| Rebeena N. | 0+ve |
| Thankamani C.K. | 0+ve |
| Prasanna Kumari. N | 0+ve |
| Praveena R. | 0+ve |
| Prakash.P | 0 +ve |
| Lijo Thomas | 0 -ve |
| Nirmal Babu K. | 0-ve |

ICAR IISR Exptl. FARM, Peruvannamuzhi

| | |
|------------------|--------|
| Girija N.K. | A +ve |
| Sarada V.P. | A +ve |
| Hareesh B.T. | B +ve |
| Rejina P. Govind | AB +ve |
| Sadasivan T.R. | AB +ve |
| Kausalya P.N. | AB -ve |
| Sujeesh E.S. | O +ve |

ICAR-IISR KVK, Peruvannamuzhi

| | |
|--------------------|-------|
| Faisal.K | A +ve |
| Aiswariya K.K. | B +ve |
| Shanmugavel S. | B +ve |
| Prasad T.C. | B +ve |
| Jayakumar C.K. | B +ve |
| P. Ratha krishnan | B +ve |
| Manoj P.S. | O +ve |
| Ravindran C. | O +ve |
| Maria Dainy M | O +ve |
| Pradeep B. | O +ve |
| Prakash K.M. | O +ve |
| Premachandran K.P. | O +ve |
| Ravindran C.V. | O +ve |
| Deepthi A. | O +ve |

ICAR -IISR RS Appangala

| | |
|-------------------------|-------|
| Chethan | A +ve |
| Cholurappa N. | A +ve |
| Ankegowda S. J. | A +ve |
| Chennamma B.L. | A +ve |
| Alagupalamuthirsolai M. | A +ve |
| Sharon Aravind | A +ve |
| Sheshappa B.M. | B +ve |
| Thimmaiah K. K. | B +ve |
| Poovappa B.K. | B +ve |
| Laxmi H.B. | B +ve |
| Lalitha B.M. | B +ve |
| Narendra Chaudhary | B +ve |
| Marigowda K.V. | O +ve |
| Rathish H.C. | O +ve |
| Muraleedharan P. | O +ve |
| Praveena H.D. | O +ve |
| Mohammed Faisal Peeran | O +ve |
| Puttasiddamma K.M. | O +ve |

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Fax: 08272-245441

Annexure I.9 (i)**List of employees with gross salary (IISR, KOZHIKODE, Peruvannamuzhi, KVK, Appangala for June 2020)**

| S.No | Name | BP | GP | | DA | HRA | | TA | AA | PP | AI | NPA | Gross |
|-------------------|------------------------|--------|----|--------|-------|-------|--------|-------|----|----|----|-----|--------|
| SCIENTIFIC | | | | | | | | | | | | | |
| 1 | Aarthi S | 70900 | 0 | 70900 | 12053 | 11344 | | 8424 | 0 | 0 | 0 | | 102721 |
| 2 | Alagupalamuthirsolai M | 87300 | 0 | | 14841 | 13968 | | 8424 | 0 | 0 | 0 | | 124533 |
| 3 | Dr Anees K | 82200 | 0 | 82200 | 13974 | 13152 | | 8424 | 0 | 0 | 0 | | 117750 |
| 4 | Biju CN | 104100 | 0 | 104100 | 17697 | 16656 | 121797 | 8424 | 0 | 0 | 0 | | 146877 |
| 5 | Dinesh R | 193800 | 0 | 193800 | 32946 | 31008 | | 8424 | 0 | 0 | 0 | | 266178 |
| 6 | Ishwara Bhatt A | 193800 | 0 | 193800 | 32946 | 31008 | 3200 | 8424 | 0 | 0 | 0 | | 266178 |
| 7 | Jayashree E | 162300 | 0 | 162300 | 27591 | 25968 | | 8424 | 0 | 0 | 0 | | 224283 |
| 8 | Jeevalatha A | 92600 | 0 | 92600 | 15742 | 14816 | | 8424 | 0 | 0 | 0 | | 131582 |
| 9 | Krishnamurthy KS | 193800 | 0 | 193800 | 32946 | 31008 | 3200 | 8424 | 0 | 0 | 0 | | 266178 |
| 10 | Leela NK | 205600 | 0 | 205600 | 34952 | 32896 | 3200 | 8424 | 0 | 0 | 0 | | 281872 |
| 11 | Lijo Thomas | 104100 | 0 | 104100 | 17697 | 16656 | | 8424 | 0 | 0 | 0 | | 146877 |
| 12 | Muhammed Nissar | 64900 | 0 | 64900 | 11033 | 0 | | 8424 | 0 | 0 | 0 | | 84357 |
| 13 | Nirmal Babu K | 218200 | 0 | 218200 | 37094 | 34912 | | 18428 | 0 | 0 | 0 | | 308634 |
| 14 | Prasath D | 162300 | 0 | 162300 | 27591 | 25968 | | 8424 | 0 | 0 | 0 | | 224283 |
| 15 | Praveena R | 92600 | 0 | 92600 | 15742 | 14816 | | 8424 | 0 | 0 | 0 | | 131582 |
| 16 | Rajeev P | 199600 | 0 | 199600 | 33932 | 31936 | | 8424 | 0 | 0 | 0 | | 273892 |
| 17 | Ramakrishnan Nair | 199600 | 0 | 199600 | 33932 | 31936 | | 8424 | 0 | 0 | 0 | | 273892 |
| 18 | Rema J | 205600 | 0 | 205600 | 34952 | 32896 | 3200 | 8424 | 0 | 0 | 0 | | 281872 |
| 19 | Saji KV | 182700 | 0 | 182700 | 31059 | 29232 | | 8424 | 0 | 0 | 0 | | 251415 |
| 20 | Santosh J Eapen | 205600 | 0 | 205600 | 34952 | 32896 | | 8424 | 0 | 0 | 0 | | 281872 |
| 21 | Sarathambal C | 92600 | 0 | 92600 | 15742 | 14816 | | 8424 | 0 | 0 | 0 | | 131582 |
| 22 | Dr C Sellaperumal | 87300 | 0 | 87300 | 14841 | 13968 | | 8424 | 0 | 0 | 0 | | 124533 |
| 23 | Senthil Kumar CM | 147900 | 0 | 147900 | 25143 | 23664 | | 8424 | 0 | 0 | 0 | | 205131 |
| 24 | Sharon Aravind | 79900 | 0 | 79900 | 13583 | 12784 | | 8424 | | | | | 114691 |
| 25 | Sheeja TE | 162300 | 0 | 162300 | 27591 | 25968 | | 8424 | 0 | 0 | 0 | | 224283 |
| 26 | Sivaranjani R | 66800 | 0 | 66800 | 11356 | 10688 | | 8424 | 0 | 0 | 0 | | 97268 |

| | | | | | | | | | | | | |
|-----------------------|-------------------|--------|---|--------|-------|-------|------|-------|---|---|---|--------|
| 27 | Srinivasan V | 172200 | 0 | 172200 | 29274 | 27552 | 3200 | 8424 | 0 | 0 | 0 | 237450 |
| 29 | Thankamani CK | 199600 | 0 | 199600 | 33932 | 31936 | 3200 | 8424 | 0 | 0 | 0 | 273892 |
| 30 | Uma Devi P | 73100 | 0 | 73100 | 12427 | 11696 | | 8424 | 0 | 0 | 0 | 105647 |
| ADMINISTRATION | | | 0 | | 0 | | | | | | | 0 |
| 31 | Beena CK | 62200 | 0 | | 10574 | 9952 | | 4212 | 0 | 0 | 0 | 86938 |
| 32 | Jayaprakash PT | 27100 | 0 | | 4607 | 4336 | | 4212 | 0 | 0 | 0 | 40255 |
| 33 | Rahul PK | 23100 | 0 | | 3927 | 3696 | | 1580 | 0 | 0 | 0 | 32303 |
| 34 | Rajeev P | 35300 | 0 | | 6001 | 5648 | | 4212 | 0 | 0 | 0 | 51161 |
| 35 | Rebeena N | 26000 | 0 | | 4420 | 4160 | | 4212 | 0 | 0 | 0 | 38792 |
| 36 | Sayed Mohd VV | 47600 | 0 | | 8092 | 7616 | | 4212 | 0 | 0 | 0 | 67520 |
| 37 | Seema M | 33300 | 0 | | 5661 | 5328 | | 4212 | 0 | 0 | 0 | 48501 |
| 38 | Subramanian RN | 64100 | 0 | | 10897 | 10256 | | 4212 | 0 | 0 | 0 | 89465 |
| 39 | Sundaran P | 52000 | 0 | | 8840 | 8320 | | 4212 | 0 | 0 | 0 | 73372 |
| 40 | Sunil VC | 53600 | 0 | | 9112 | 8576 | | 4212 | 0 | 0 | 0 | 75500 |
| 41 | TDS Prakash | 77700 | 0 | | 13209 | 12432 | | | 0 | 0 | 0 | 103341 |
| TECHNICAL | | | | | 0 | | | | | | | 0 |
| 42 | Binoy VS | 34000 | 0 | | 5780 | 5440 | | 4212 | | 0 | 0 | 49432 |
| 43 | Chandravally PK | 60400 | 0 | | 10268 | 9664 | | 4212 | 0 | 0 | 0 | 84544 |
| 45 | Ms Hridya KS | 30100 | 0 | | 5117 | 4816 | | 4212 | 0 | 0 | 0 | 44245 |
| 46 | Jayarajan K | 80900 | 0 | | 13753 | 12944 | | 8424 | | 0 | 0 | 116021 |
| 47 | Karthika N | 30500 | 0 | | 5185 | 4880 | | 4212 | | 0 | 0 | 44777 |
| 48 | Krishnadas K | 60400 | 0 | | 10268 | 9664 | | 4212 | 0 | 0 | 0 | 84544 |
| 49 | Nikhil C M | 21700 | 0 | | 3689 | 3600 | | 4212 | | | | 33201 |
| 50 | Prasanna Kumari N | 71100 | 0 | | 12087 | 11376 | | 8424 | | 0 | 0 | 102987 |
| 0 | Radha E | 88400 | 0 | | 15028 | 14144 | | 16848 | | 0 | 0 | 134420 |
| 52 | Ramesh Kumar MP | 109100 | 0 | | 18547 | 17456 | | 8424 | | 0 | 0 | 153527 |
| 53 | Shajina O | 21700 | 0 | | 3689 | 3600 | | 4212 | | | | 33201 |
| 54 | Sivadas OG | 35000 | 0 | | 5950 | 5600 | | 4212 | 0 | 0 | 0 | 50762 |
| 55 | Sudhakaran A | 67000 | 0 | | 11390 | 10720 | | 4212 | | 0 | 0 | 93322 |

| | | | | | | | | | | | | | |
|----------------------|--------------------|---------------|----------|--------------|---------------|---------------|---------------|---------------|----------|----------|----------|----------|---------------|
| 56 | Mr Vijesh Kumar IP | 30100 | 0 | | 5117 | 4816 | | 4212 | | 0 | 0 | | 44245 |
| 57 | Vishnu B | 21700 | 0 | | 3689 | 3600 | | 4212 | | | | | 33201 |
| SUPPORTING | | | | | 0 | | | | | | | | 0 |
| 58 | Kamalam CM | 34000 | 0 | | 5780 | 5440 | | 4212 | 0 | 0 | 0 | | 49432 |
| 59 | Purushu MK | 38600 | 0 | | 6562 | 6176 | | 4212 | | 0 | 0 | | 55550 |
| | | 5E+06 | 0 | 4E+06 | 924800 | 860400 | 140997 | 390664 | 0 | 0 | 0 | 0 | 8E+06 |
| PERUVANNAMUZH | | | | | | | | | | | | | |
| TECHNICAL | | | | | | | | | | | | | |
| 1 | Hareesh BT | 26000 | | | 4420 | 0 | | 2106 | 0 | 0 | 0 | | 32526 |
| 3 | Premachandran KP | 52000 | | | 8840 | 4160 | | 2106 | 0 | 0 | 0 | | 67106 |
| 4 | Rashmish AR | 26000 | | | 4420 | 0 | | 2106 | 0 | 0 | 0 | | 32526 |
| 5 | Rejina P Govind | 28700 | | | 4879 | 0 | | 0 | 0 | 0 | 0 | | 33579 |
| 6 | Sadasivan TR | 49000 | | | 8330 | 3920 | | 2106 | 0 | 0 | 0 | | 63356 |
| 7 | Sujeesh ES | 63100 | | | 10727 | 0 | | 4212 | 0 | 0 | 0 | | 78039 |
| SUPPORTING | | | | | | | | | | | | | |
| 8 | Kausalya PN | 39800 | | | 6766 | 3184 | | 2106 | 0 | 0 | 0 | | 51856 |
| | | 284600 | 0 | 0 | 48382 | 11264 | 0 | 14742 | 0 | 0 | 0 | 0 | 358988 |
| KVK | | | | | | | | | | | | | |
| TECHNICAL | | | | | | | | | | | | | |
| 1 | Aiswariya KK | 76200 | 0 | | 12954 | 6096 | | 4212 | 0 | 0 | 0 | | 99462 |
| 2 | Deepthi A | 76200 | 0 | | 12954 | 0 | | 4212 | 0 | 0 | 0 | | 93366 |
| 3 | Jayakumar CK | 43600 | 0 | | 7412 | 0 | | 2106 | 0 | 0 | | | 53118 |
| 4 | Manoj PS | 122900 | 0 | | 20893 | 9832 | | 4212 | 0 | 0 | 1053 | | 158890 |
| 5 | Pradeep B | 76200 | 0 | | 12954 | 6096 | | 4212 | 0 | 0 | 0 | | 99462 |
| 6 | Prakash KM | 115800 | 0 | | 19686 | 9264 | | 4212 | 0 | 0 | 0 | | 148962 |
| 7 | Prasad TC | 55200 | 0 | | 9384 | 0 | | 2106 | 0 | 0 | 0 | | 66690 |
| 8 | Shanmughavel S | 146700 | 0 | | 29927 | 11736 | | 4212 | 0 | 0 | 0 | 29340 | 221915 |

| | | | | | | | | | | | | | |
|-----------------------|-----------------|---------------|----------|--------|---------------|--------------|--|--------------|----------|----------|-------------|--------------|--------------|
| ADMINISTRATION | | | | | | | | | 0 | | | | 0 |
| 9 | Faisal K | 55200 | 0 | | 9384 | 4416 | | 2106 | 0 | 0 | 0 | | 71106 |
| SCIENTIFIC | | | | | | | | | | | | | 0 |
| 10 | Rathakrishnan P | 157600 | 0 | 157600 | 26792 | 12608 | | 4212 | 0 | 0 | 0 | | 201212 |
| SUPPORTING | | | | | | | | | | | | | 0 |
| 11 | Ravindran C | 34000 | 0 | | 5780 | 2720 | | 2106 | 0 | 0 | 0 | | 44606 |
| | | 959600 | 0 | | 168120 | 62768 | | 37908 | 0 | 0 | 1053 | 29340 | 1E+06 |

| | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

| | | | | | | | | | | | | | |
|-----------------------|-------------------|--------|---|--------|-------|-------|--|------|---|---|---|---|--------|
| APPANGALA | | | | | | | | | | | | | |
| SCIENTIFIC | | | | | | | | | | | | | |
| 1 | Akshitha HJ | 70900 | 0 | 70900 | 12053 | 5672 | | 0 | 0 | 0 | 0 | 0 | 88625 |
| 2 | Anke Gowda SJ | 193800 | 0 | 193800 | 32946 | 15504 | | 4212 | 0 | 0 | 0 | 0 | 246462 |
| 3 | Balaji Rajkumar | 73000 | 0 | | 12410 | 5840 | | 4212 | 0 | 0 | 0 | 0 | 95462 |
| 4 | Honnappa Asangi | 70900 | 0 | 70900 | 12053 | 5672 | | 4212 | 0 | 0 | 0 | 0 | 92837 |
| 5 | Mohammed Faisal P | 75200 | 0 | 75200 | 12784 | 0 | | 4212 | 0 | 0 | 0 | 0 | 92196 |
| 6 | Shivakumar M S | 64900 | 0 | 64900 | 11033 | 5192 | | 4212 | 0 | 0 | 0 | 0 | 85337 |
| SUPPORTING | | | | | | | | | | | | | |
| 7 | Lalitha BM | 41000 | 0 | 0 | 6970 | 0 | | 2106 | 0 | 0 | 0 | | 50076 |
| 9 | Marigowda KV | 38600 | 0 | 0 | 6562 | 0 | | 2106 | 0 | 0 | 0 | | 47268 |
| 10 | Sheshappa BM | 42200 | 0 | 0 | 7174 | 3376 | | 2106 | 0 | 0 | 0 | | 54856 |
| ADMINISTRATION | | | | | | | | | | | | | |
| 12 | Muraleedharan P | 56900 | 0 | 0 | 9673 | 0 | | 2106 | 0 | 0 | 0 | | 68679 |
| TECHNICAL | | | | | | | | | | | | | |
| 13 | Cholurappa N | 37500 | 0 | 0 | 6375 | 0 | | 2106 | 0 | 0 | 0 | | 45981 |
| 14 | Praveena HD | 39900 | 0 | 0 | 6783 | 0 | | 2106 | 0 | 0 | 0 | | 48789 |
| 15 | Ranjith P B | 22400 | 0 | | 3808 | 0 | | 2106 | 0 | 0 | 0 | 0 | 28314 |
| 15 | Rathish HC | 49000 | 0 | 0 | 8330 | 0 | | 2106 | 0 | 0 | 0 | | 59436 |

| | | | | | | | | | | | | | |
|--|--|--------|---|--------|--------|-------|---|-------|---|---|---|---|--|
| | | 876200 | 0 | 475700 | 148954 | 41256 | 0 | 37908 | 0 | 0 | 0 | 0 | |
|--|--|--------|---|--------|--------|-------|---|-------|---|---|---|---|--|

Name, designation and other particulars of public information

Name of the Institute: Indian Institute of Spices Research, Kozhikode

The reception counter of our institute will serve as a single window facility for facilitating receipt of applications and fees under the RTI act.

First Appellate Authority:

The Director
ICAR-Indian Institute of Spices Research
Marikunnu P.O, Kozhikode - 673 012, Kerala
Phone: 0495 2730294 / 2731410 / 2731753 / 2731345
Email: director@spices.res.in; Website: www.spices.res.in

Transparency Officer

Administrative Officer
Indian Institute of Spices Research
Kozhikode - 673 012, Ph : 0495 2730550

CPIO (Name, designation and address): (For Issues Related to RTI)

Mrs Subramanian RN
Asst. Admn Officer
Indian Institute of Spices Research,
Marikunnu P.O.,
Kozhikode - 673012
Subramanian.RN@icar.gov.in

APIO (Name, designation and address): (For Issues Related to RTI)

Ms. C.K. Beena
Indian Institute of Spices Research,
Marikunnu P.O., Kozhikode - 673012

Deemed PIO:

Mr.P.Sundaran
Assistant Admn Officer
Indian Institute of Spices Research
Marikunnu P.O.Kozhikode - 673012
Sundaran.P@icar.gov.in

Template for providing Sub-head wise BE 2020-21 (Unified Budget)

Name of the Institute: ICAR-IISR KOZHIKODE

Name of the Division : Horticulture

(Rs. In lakhs)

| S. No. | Head | Other than NEH & TSP | NEH | TSP | SCSP | Grand Total |
|--|---|----------------------|--------------|--------------|--------------|----------------|
| Grants for creation of Capital Assets (CAPITAL) | | | | | | |
| 1 | Works | | | | | |
| | A. Land | | | | | 0.00 |
| | B. Building | | | | | |
| | i. Office building | | | | | 0.00 |
| | ii. Residential building | | | | | 0.00 |
| | iii. Minor Works | 100.00 | | | | 100.00 |
| 2 | Equipments | 7.75 | 30.00 | 0.00 | 0.00 | 37.75 |
| 3 | Information Technology | 16.00 | | | | 16.00 |
| 4 | Library Books and Journals | 20.00 | | | | 20.00 |
| 5 | Vehicles & Vessels | 0.00 | | | | 0.00 |
| 6 | Livestock | | | | | 0.00 |
| 7 | Furniture & fixtures | 6.25 | | | | 6.25 |
| 8 | Others | | | | | 0.00 |
| | Total – CAPITAL (Grants for creation of Capital Assets) | 150.00 | 30.00 | 0.00 | 0.00 | 180.00 |
| Grants in Aid - Salaries (REVENUE) | | | | | | |
| 1 | Establishment Expenses | | | | | |
| | Salaries | | | | | |
| | i. Establishment Charges | 1390.73 | | | | 1390.73 |
| | ii. Wages | | | | | 0.00 |
| | iii. Overtime Allowance | | | | | 0.00 |
| | Total – Establishment Expenses (Grant in Aid - Salaries) | 1390.73 | 0.00 | 0.00 | 0.00 | 1390.73 |
| Grants in Aid - General (REVENUE) | | | | | | |
| 1 | Pension & Other Retirement Benefits | 110.00 | | | | 110.00 |
| 2 | Traveling Allowance | | | | | |
| | A. Domestic TA / Transfer TA | 30.00 | | | | 30.00 |
| | B. Foreign TA | | | | | 0.00 |
| | Total – Traveling Allowance | 30.00 | 0.00 | 0.00 | 0.00 | 30.00 |
| 3 | Research & Operational Expenses | | | | | |
| | A. Research Expenses | 100.00 | | | | 100.00 |
| | B. Operational Expenses | 160.00 | 85.48 | 35.36 | 72.55 | 353.39 |
| | Total - Research & Operational Expenses | 260.00 | 85.48 | 35.36 | 72.55 | 453.39 |
| 4 | Administrative Expenses | | | | | |
| | A. Infrastructure | 70.00 | | | | 70.00 |
| | B. Communication | 10.00 | | | | 10.00 |
| | C. Repairs & Maintenance | | | | | |

Name of the Institute:ICAR-IISR KOZHIKODE

Name of the Division : Horticulture

(Rs. In lakhs)

| S. No. | Head | Other than NEH & TSP | NEH | TSP | SCSP | Grand Total |
|--------|---|----------------------|---------------|--------------|--------------|----------------|
| | i. Equipments, Vehicles & Others | 20.00 | | | | 20.00 |
| | ii. Office building | 15.00 | | | | 15.00 |
| | iii. Residential building | 5.00 | | | | 5.00 |
| | iv. Minor Works | 10.00 | | | | 10.00 |
| | D. Others (excluding TA) | 20.00 | | | | 20.00 |
| | Total - Administrative Expenses | 150.00 | 0.00 | 0.00 | 0.00 | 150.00 |
| 5 | Miscellaneous Expenses | | | | | |
| | A. HRD | 3.00 | | | | 3.00 |
| | B. Other Items (Fellowships, Scholarships etc.) | | | | | 0.00 |
| | C. Publicity & Exhibitions | 4.00 | | | | 4.00 |
| | D. Guest House – Maintenance | 3.00 | | | | 3.00 |
| | E. Other Miscellaneous | 50.00 | | | | 50.00 |
| | Total - Miscellaneous Expenses | 60.00 | 0.00 | 0.00 | 0.00 | 60.00 |
| | Total Grants in Aid - General | 610.00 | 85.48 | 35.36 | 72.55 | 803.39 |
| | Total Revenue (Grants in Aid - Salaries + Grants in Aid - General) | 2000.73 | 85.48 | 35.36 | 72.55 | 2194.12 |
| | Grand Total (Capital + Revenue) | 2150.73 | 115.48 | 35.36 | 72.55 | 2374.12 |

INDIAN INSTITUTE OF SPICES RESEARCH, KOZHIKODE

(Rs. in lakhs)

| Budget Estimate | Expenditure as on July,2020 | Proposed expenditure By March,2021 |
|-----------------|-----------------------------|------------------------------------|
| 2374.12 | 25.28% | 100% |

Assistant Finance & Accounts Officer

| Release made to centres till 23.07.2018 | | | | |
|--|-----------------|----------------|------------------------------------|-----------|
| REGULAR | SALARY | RC | COOPTING | RC |
| Pampadumpara (KAU) | 650000 | 80000 | Ambalavayal (KAU)-Other than NEH | 55000 |
| Panniyur (KAU) | 1650000 | 80000 | Pechiparai (TNAU)Other than NEH | 55000 |
| Mudigere (UAHS) | 1150000 | 80000 | Gangtok (ICRI)-NEH | 175000 |
| Sirsi (UHS) | 950000 | 80000 | Sakleshpur (ICRI) Other than NEH | |
| Yercaud (TNAU) | 650000 | 80000 | Myladumpara (ICRI) Other than NEH | 55000 |
| Coimbatore (TNAU) | 1250000 | 90000 | ICAR R C NEHR, Barapani-NEH | 100000 |
| Chintapalli (Dr YSRHU)-TSP | 419000 | 175000 | ICAR R C NEHR, Mizoram-NEH | 175000 |
| Kamarpally (SKLTSHU)-1 vacant | 950000 | 50000 | ICAR R C NEHR, Gangtok-NEH | 175000 |
| Guntur (Dr YSRHU) | | 90000 | Nagaland (Nagaland AU) | 175000 |
| Solan (YSPUHF) | 950000 | 80000 | Kahikuchi (AAU) | 175000 |
| Pottangi (OUAT)*-TSP | 200000 | 175000 | Pasighat (CAU)-NEH | 75000 |
| Jobner (SKNAU) | 1450000 | 55000 | Total | 1215000 |
| Jagudan (SDAU) | | 25000 | VOLUNTARY | |
| Hisar (HAU) | 1150000 | 80000 | Pantnagar (GBPUAT) | 25000 |
| Dholi (RAU) | 0 | 90000 | Kanke (BIRSAAU) | 175000 |
| Kumarganj (NDUAT) | 550000 | 80000 | Kalyani (BCKVV) | 55000 |
| Pundibari (UBKVV) | | 80000 | Kota | 25000 |
| Dapoli (KKV) | 750000 | 55000 | Navasari (NAU) | 65000 |
| Raigarh (IGKVV) | 1250000 | 80000 | Jabalpur (JNKV) | 25000 |
| Total | 13969000 | 1605000 | Mandor | 25000 |
| | | | Sanand | |
| | | | Total | 395000 |
| | | | PROJECT MODE & WORKSHOP | |
| | | | Thrissur-KAU | 50000 |
| | | | SRS PAMPORE | 50000 |
| | | | Total | 100000 |

| | |
|--------------------|-----------------|
| Grant Total | 13969000 |
| Salary | 3315000 |
| RC | 17284000 |

2. Budget and Programme

2.2 Foreign visit (F.No.-----)

(ii) Foreign visit by ministries and officials of the rank of Joint Secretary to the Government and above, as well as the heads of the Department

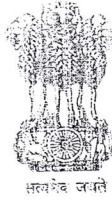
Information in respect of Dr. K.Nirmal Babu, Director, ICAR-Indian Institute of Spices Research, Kozhikode (Financial Year : 2019-20)

| (a)Places visited | (b)Period of visit | (c) Number of members in the official delegation | (d)Expenditure on the visit Rs. |
|----------------------------|--------------------------------|--|--|
| Hochiminh City, Vietnam | 02-04-2019 To 05-04-2019 | 1 | Nil |
| Valencia, Spain | 28-07-2019 To 01-08-2019 | 1 | Nil |
| Sarawak, Malaysia | 02-05-2019 To 03-05-2019 | 1 | Nil |



सूचना
का अधिकार

TELEGRAMS : DSIR/DELHI
स्थान/TELE : 2656229 26567373
(EPBAX) : 26565894 26562133
26565887 26562144
26562134 26562122
फैक्स/FAX : 26960829, 26529745
Website : http://www.dsir.gov.in



सत्यमेव जयते

भारत सरकार
विज्ञान और प्रौद्योगिकी मंत्रालय
वैज्ञानिक और औद्योगिक अनुसंधान विभाग
टेक्नोलॉजी भवन, नया महरौली मार्ग,
नई दिल्ली - 110 016
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
Department of Scientific and Industrial Research
Technology Bhavan, New Mehrauli Road,
New Delhi - 110 016



No. TU/V/RG-CDE(338)/2016

Dated : 27th September, 2016

To

The Director
ICAR-Indian Institute of Spices Research
P-B-No- 1701; Marikunnu P-O
Kozhikode - 673 012
Kerala

Subject: Renewal of Registration of Public Funded Research Institutions or a University or an Indian Institute of Technology or Indian Institute of Science, Bangalore or a Regional Engg. College, other than a Hospital*, for the purposes of availing Customs/Central Excise duty exemption in terms of Govt. Notification No. 51/96-Customs dated 23.07.1996 and Central Excise Duty Exemption in terms of Govt. Notification No. 10/97-Central Excise dated 01.03.1997 as amended from time to time.

With Reference: Your application dated 3rd August, 2016 on the above subject, this is the certificate of registration

CERTIFICATE OF REGISTRATION

This is to certify that ICAR-Indian Institute of Spices Research, Kozhikode is registered with the Department of Scientific and Industrial Research (DSIR) for purposes of availing customs duty exemption in terms of Government Notification No. 51/96-Customs dated 23 July, 1996 and Central Excise duty exemption in terms of Government Notification No. 10/97-Central Excise dated 1 March, 1997 as amended from time to time. The Registration is subject to terms and conditions mentioned overleaf.

This Registration is valid upto 31.08.2021 .

Please acknowledge the receipt.

TRUE COPY

सहायक प्रशासनिक अधिकारी

Assistant Administrative Officer
भारतीय मसाला फसल अनुसंधान संस्थान
Indian Institute of Spices Research
मेरिकुन्नु पी. ओ. Marikunnu P.O.
पिनकोड Kozhikode, पिन PIN - 673 012
केरल Kerala, भारत India

Yours faithfully,

Kamini Mishra
(K. Mishra)
Scientist - 'F' / Director

* Certificate of registration is not valid for activities falling within the definition of "hospital" as per notification no. 51/96 - Customs dated 23-07-1996 and No. 10/97 - Central Excise dated 01-03-1997 issued by the Department of Revenue. The institutions are cautioned to go through the notifications before availing duty exemptions under these

ICAR-Indian Institute of Spices Research, Kozhikode

Kozhikode - 673 012.

Lok Sabha Parliament Question

Dy. No.111931 for 25.03.2020 regarding Government Helpline numbers

| Parliament question | Reply |
|---|--|
| (a) The total number of functional helplines operationalized by the Government under various ministerial schemes | <p>ICAR-Indian Institute of Spices Research, Kozhikode doesn't have its own helpline numbers. The helpline numbers operationalized at ICAR Hqs is applicable to ICAR-IISR also.</p> <p>However, the Institute has contact numbers to help the farming community as follows.</p> <p>ICAR-IISR HQ, Kozhikode : 0495 - 2730704</p> <p>ICAR-IISR Regional Station - 08272 -245514 Appangala, Karnataka</p> <p>ICAR-IISR KVK, Peruvannamuzhi Kozhikode: 0496 - 298574</p> |
| (b) The average rate of phone calls per year that these helplines receive during each of the last three years , scheme-wise and | <p>ICAR-IISR HQ, Kozhikode : 0495 - 2730704</p> <p>2017-18: 842 2018-19: 740 2019-20: 572</p> <p>ICAR-IISR Regional Station - 08272 -245514 Appangala, Karnataka</p> <p>2017-18: 600 2018-19: 450 2019-20: 525</p> <p>ICAR-IISR KVK, Peruvannamuzhi Kozhikode: 0496 - 2662372</p> <p>2017-18: 1333 2018-19: 1119 2019-20: 2136</p> |

| | |
|---|----|
| (c) The number of helplines that have become defunct in the last twenty years in the country and the details thereof? | NA |
|---|----|

RAJYA SABHA Question Dy.No. S2394 due for 29.11.2019

| Input | Name(s) | Designation & Office | Date of delivering lecture and programme | Venue with country (India/name of foreign country) |
|--|-------------------------------|---|--|---|
| Details of experts/officers from foreign countries who had taken capacity building / Training Programme in India | Hoang-Anh TA, | Head, Plant Pathology Division (PPD), Plant Protection Research Institute (PPRI), Hanoi, Vietnam | Training on virus detection in black pepper from 10 th to 14 th September 2018 | Vietnam |
| | Mrs. Kibisu Lynette Wanjiku | Principal Agricultural Officer, Ministry of Agriculture, Fisheries and Livestock, P.O.Box. 66730-00800,Nairobi, Kenya Tel: +254 733850354, Email: agrinfodata@gmail.com, jmmogere@gmail.com | Feed The Future India Triangular Training (FTT ITT) Program International Training Program on 'Value Addition in Spices' during 15 - 29 May, 2018 | Kenya |
| | Mrs. Chirchir Grace Jepleting | Deputy Director of Agriculture, Agribusiness and Value Addition, State Department of Agriculture, Ministry of Agriculture, Livestock and Fisheries, P.O.Box.30028-00100, Nairobi, Kenya Tel: +254 0202718870, +254 723789250 Email: gjchirchir@kilimo.go.ke, gjchirchir@gmail.com | | Kenya |

| | | | |
|--|-----------------------|---|-------|
| | Mr. Kamau Eliud Mathu | Assistant Director/ Head of State Corporations Unit P.O.Box.00100, Ministry of Agriculture, Livestock and Fisheries Nairobi, Kenya Tel: +254 27188719, +254 721741116, 721635347, 725789742 | Kenya |
|--|-----------------------|---|-------|

Replies to questions unanswered/ information sought by Hon'ble Chairman, Parliamentary Standing Committee on Agriculture during Oral Evidence on 6th November, 2019

| Question | Answer |
|---|--|
| The detailed note on efforts being made by ICAR for import substitution of fruits/ planting material that are being imported from foreign countries. | NA |
| A comprehensive research to be carried on to develop the technologies/ protocols for management/ control of Nematode in Poly-home-hi-tech agriculture/ horticulture | <p>Current research at ICAR-IISR for resolving the nematode problem in hi-tech poly-houses being used for production of planting materials of spices, particularly black pepper, is summarized below:</p> <ol style="list-style-type: none"> 1. Promotion of nematode tolerant varieties like Pournami (black pepper), IISR Pragati (turmeric), IISR Mahima (ginger) for cultivation 2. Sterilization of potting mixture using soil solarization and fumigants like metham sodium or dazomet 3. Bio-fortification of potting mixture with biocontrol agents like Pochonia chlamydosporia or other novel bioagents such as actinomycetes, VAM or plant growth promoting rhizobacteria (PGPR) 4. Need based application of novel nematicides like fluensulfone or fluopyram which are recently |

| | |
|--|--|
| | introduced into India and are blue labelled. |
|--|--|

Sub: Question from Lok Sabha Dy.No.8247 Promotion of agriculture in sandy and dry area of Rajasthan reg.

Ref.: Email dated 16th July 2019 4.20pm

Most of Rajasthan comes under arid zone contains sandy and dry areas. Our AICRP on Spices working on these regions are ideally suited for seed spices.

1. Status of Research (in brief) from AICRP on Spices centre at Rajasthan

The All India Coordinated Research Project on Spices has **one regular centre and 2 voluntary centres** functioning in this region.

The location of these centres and the crops handled by the centres are given below.

The Centres and mandate crops of AICRPS are

| State | University | Centre | Crops |
|-----------|------------|---------------------------|-------------------------------------|
| Rajasthan | SKNAU | Jobner (Regular Centre) | Cumin, Coriander, Fennel, Fenugreek |
| Rajasthan | AUK | Kota (Voluntary Centre) | Coriander, Cumin, Fennel, Fenugreek |
| Rajasthan | AUJ | Mandor (Voluntary Centre) | Cumin |

| | | | |
|-----------|------------|-------|---|
| Rajasthan | ICAR-NRCSS | Ajmer | Coriander, Fennel, Fenugreek, Cumin, Ajowain, Nigella |
|-----------|------------|-------|---|

2. Research Achievements

The centres have developed high yielding varieties, high quality varieties and varieties tolerant to major diseases, pests and nematodes. The list of varieties are given below.

List of varieties developed in AICRP on Spices centres at Rajasthan

| S.No | Crop | Variety/Hybrid | Salient features |
|------|-----------|----------------|--|
| 1 | Coriander | RCr-480 2006 | High yield and volatile oil content; less susceptible to aphid and powdery mildew; tolerant to frost, 0.425% volatile oil, medium maturity (130-140 days). |
| | | RCr 475 | High yield (17.5 q/ha). Suitable for grain purpose |
| | | RCr-728 | Mutant variety with high yield (13.70 q/ha) and more number of seeds per umbel, 0.38% volatile oil, medium maturity (130-140 days). |

| | | | |
|---|-----------|-----------------------|--|
| | | ACr-2 | Resistant to stem gall, high linalool content (71.7%), high yield (15.50 q/ha), early maturing type |
| | | ACr-3 | High oil and field resistance against powdery mildew, bold seeds and high yield (16.89 q/ha) |
| 2 | Cumin | RZ 19 | Bold grey pubescent seeds, tolerant to wilt as well as blight, matures in 140 to 150 days |
| | | RZ 209 | Moderately resistant to wilt and blight diseases, matures in 120-130 days with an average yield of 6.5q/ha |
| | | RZ-223 | The first mutant Cumin variety developed at Jobner Wider adaptability, resistant to wilt, superior in yield and seed quality over RZ-19. |
| | | RZ-341 (UC-341) | Early maturing, high yield, long & bold seeds, high volatile oil (3.87%), medium maturity (120-130 days). |
| | | RZ 345 | Semi-erect bushy plants with long and bold seeds, moderately tolerant to wilt, blight and powdery mildew, high volatile oil (3.83%), medium maturity (120-130 days), 6.07 q/ha average yield. |
| | | AC-01-167 | Bold seeds, resistant to wilt. 5.15q/ha average yield |
| 3 | Fennel | RF-178 (UF-178) | Seeds long bold and attractive; high volatile oil - 2.13%. and yield - 29.75 q/ha, Suitable for Rajasthan |
| | | RF- 205 | High yield potential. Better seed quality, volatile oil 2.48 %. and yield - 12q/ha, Suitable for All fennel growing regions. |
| | | RF 281 | Bold, attractive seeds. High volatile oil. Matures in 130-140 days. Average yield 18.25 q/ha |
| | | Ajmer Fennel-2 (AF-2) | High essential oil content and high yield 17.90q/ha, moderate resistance to <i>Ramularia</i> blight |
| | | RF-157 | Volatile oil content 1.95 %, long, attractive, bold seeds with high yield 21.67q/ha |
| 4 | Fenugreek | RMt-305 | First determinant type, multipoded, early maturing, wider adaptability, resistant to powdery mildew and root knot nematodes, bold, attractive and yellow seeds, 120-125 days duration, 13q/ha average yield. |
| | | RMt-351 (UM-351) | High yield, bold attractive seed; resistant to powdery mildew and root knot nematode; suitable for crop rotation with wheat and barley, high yield potential (18.40q/ha) |

| | | | |
|---|---------|--------------------------|--|
| | | RMt-354 | Moderately resistant to powdery mildew and downy mildew, high yield 15- 16 q/ha. Suited to all fenugreek growing regions. |
| | | RMt- 361 (UM- 361) | Mutant variety, high yield potential (18.41q/ha), medium tall, resistant to diseases, suited to all fenugreek growing regions |
| | | AFG-3 | Seed contain 0.97 % 4- hydroxy isoleucine, with an average yield of 14q/ha |
| | | AFG -5 | High seed yield (17.21q/h, high antioxidant content suitable for green leaf production under shade net condition in summer season. |
| 5 | Ajowain | Ajmer Ajowain AA-1 | It is suitable for cultivation both under irrigated and rainfed situation. It takes 165 days to maturity. The variety possesses high yield potential and gives an average yield of about 514kg/ha under irrigated condition The seeds yield essential oil content of 3.4 |
| | | Ajmer Ajowain AA -2 | This variety matures in 147 days. It is suitable for cultivation under rainfed condition. It gives an average yield of about 520 kg/ha under irrigated condition It possesses resistance to powdery mildew. The seeds yield essential oil content of about 3%. |
| | | Ajmer Ajowain-93 (AA-93) | High yield (575kg/ha) and short duration, takes 145 days. It matures 40 days earlier to exiting varieties; |
| | | Hisar Ajowain-18 | High yielding (1.1-1.3q/ha), medium duration, resistant to lodging under Hisar condition |

ICAR-NRCSS, Ajmer has developed two varieties of coriander i.e. **Ajmer Coriander -1 (ACr-1)** & **Ajmer Coriander-2 (ACr-2)**. Both the varieties are high yielding as well as resistant against stem gall disease. These can successfully be grown with the help of 4-6 irrigations & drip irrigation system of 0.8 IW/CPE ratio.

In fenugreek, Institute has also developed three varieties i.e. **Ajmer Fenugreek-3 (AFg-3)**, **Ajmer Fenugreek-4 (AFg-4)** & **Ajmer Fenugreek-5 (AFg-5)** which are high yielding. These fenugreek varieties can easily be grown in the fenugreek growing areas with the help of 4-6 irrigations & drip irrigation system of 0.8 IW/CPE ratio.

In ajwain one variety **Ajmer Ajwain-93 (AA-93)** has also developed for high yield and short duration, takes 145 days. It matures 40 days earlier to exiting varieties; it can easily be grown in the rainfed areas, in both Rabi & Kharif season.

Voluntary Centre at **Kota** with main focus on coriander as this is the major winter crop. The centre has developed one coriander variety **RKD-18 (Pratap Raj Dhania-1)** in 2012 which was notified in 2015. Two more coriander lines were found promising in coordinated trials testing during 2015-17.

Technologies developed to increase the production in sandy and dry area

Coriander

Crop Production technologies

1. Drip irrigation and fertigation in coriander in Jobner

Fertigation with water equal to 80% of actual evaporation (0.8 IW/CPE ratio) at an interval of 2-3 days with recommended dose of fertilizers through soluble fertilizers at different growth stages (20, 40, 60 & 80 DAS) is recommended for improving the yield and WUE in coriander in light textured soils of India. By adoption of this method 18.7% water can be saved along with 45% increase in yield of coriander as compared to conventional practice with BC ratio of 3.62.

Fennel

Crop Production technologies

1. Technology for application of PGPR in Fennel

Seed pelletizing with IISR PGPR strains either FK-14 (*Pseudomonas putida*) or FL-18 (*Macrobacterium paraoxydans*) or combination of both is found as effective as talc formulation @ 1.5 kg/ha seed treatment. The treatment has increased the yield on average by 10-15 %.

2. Micro irrigation management in fennel

Application of irrigation water by drip at 0.8% IW/ CPE ratio on alternate days with paired row planting resulted in increase in seed yield and along with 19% saving irrigation water in comparison to surface irrigation

Crop protection technologies

1. Management of seed midge in fennel

Two foliar sprays of acetamiprid 0.004% (2 g/10 lit. water; 20g a.i. /ha) or thiamethoxam 0.0084% (3.36 g/10 lit. water; 42g a.i. /ha). First foliar spray should be made at appearance of seed midge damage and subsequent sprays at 10 days after first spray. The PHI of both the insecticides is 66 days and pesticide residues detected were far below MRLs.

Fenugreek

Crop Production technologies

1. Micro irrigation management in fenugreek

Application of irrigation water by drip at 0.6% IW/ CPE ratio on alternate days with paired row planting of fennel resulted in higher seed yield along with 35% saving irrigation water in comparison to surface irrigation.

2. Technology for application of PGPR in Fenugreek

Seed pelletizing with IISR PGPR strains either FK-14 (*Pseudomonas putida*) or FL-18 (*Macrobacterium paraoxydans*) or combination of both is found as effective as talc formulation @ 1.5 kg/ha seed treatment. The treatment has increased the yield on an average by 10-15 %.

Crop protection technologies

1. Management of powdery mildew and downy mildew through resistant variety

Developed fenugreek variety (RMt-354) with high yield potential and moderately resistant to powdery mildew and downy mildew

RAJYA SABHA Question Dy.No. U1470 due for 12.07.2019

| Sl. No | Question | Reply |
|--------|---|--|
| A | The number of agricultural scientists working at present with Indian Institute of Spices Research, Kozhikode, Kerala | 37 Scientists |
| B | The notable achievements made during the last one year by these Scientists especially in the field of dry-land farming. | <p>❖ Some of the major achievements during the last one year</p> <ul style="list-style-type: none"> • Crop specific micronutrient mixtures have been developed for black pepper, cardamom, ginger and turmeric which increase the crop yields by 15-20% and the ginger micronutrient technology was awarded patent also very recently. • A very good technology for management of bacterial wilt of ginger has been developed which includes soil solarisation and bioagents and was demonstrated in different AICRPS centres in the country during 2018-19. This can be used effectively in organic production system. • Good agricultural practices (GAP) have been developed and these practices are being popularised in spice growing areas of the country. These will be helpful in obtaining sustainable, clean and safe spices with very minimal residues. • Organic management of cardamom with sustainable yield with minimal pesticide residue has been developed which can boost cardamom exports. Cinnamon-turmeric (2:1) combination which was administered orally to diabetic rats, has shown huge promise in managing diabetes without any side effects • Nano-curcumin, a potential enhanced bio-available formulation of Curcumin has been developed which has 2.5 fold increased solubility in both water as well as in virgin coconut oil. • Eleven high yielding varieties of spices developed by various centres were notified in CVRC 2018. • BPD unit has licensed many technologies during the year which includes high yielding and high quality varieties, micro nutrient mixtures and bioagents. Biocapsule technology developed by ICAR-IISR is gaining huge popularity and is attracting many farmers and entrepreneurs alike. |

| | | |
|--|--|--|
| | | <ul style="list-style-type: none"> • Mobile applications for ginger, turmeric, black pepper and cardamom have been developed which are freely available in google play store. These are farmer friendly with lot of photographs and demonstrations and is very effective in spreading new technologies for better returns. • Climate analogues sites for small cardamom and large cardamom were identified using CCAFS climate analogues tool which helps in area expansion for increasing production and export. • Thirteen varieties with traits such as climate resilient and stem gall resistant coriander; high quality nutmeg; low coumarin cassia; black pepper variety with field tolerance to stresses; dual purpose coriander <i>etc.</i> suitable for different agro ecological zones were recommended for release last year. • Spices cultivation as intercrops in fruit orchards and plantations is being encouraged which helps in doubling farmers income. • Newer molecules with less residue have been identified for the control of cumin blight disease. • Turmeric hybrids have been developed and promising ones have been identified for yield and quality. <p>Achievements with respect to dry farming</p> <ul style="list-style-type: none"> • In black pepper, two promising drought tolerant genotypes, (OPKM and another hybrid with good yield) have been supplied to various All India Co-ordinated Research Project on spices Centres for multi location testing. • Similarly, in small cardamom also 2-3 promising genotypes are under multi location testing for drought tolerance at various AICRPS centres. • Under AICRP on spices, black pepper variety Panniyur 9 which is field tolerant to drought has been recommended for release last year. • In coriander also, two varieties have been recommended for release during last year (Chhattisgarh Sri Chandrahansini Dhania-2 and Rajendra Dhania 3) which can perform well under dry farming. • Micro irrigation cum fertigation technology has been released in seed spices such as cumin, fennel, coriander which is very effective as dry farming technology with better yields. • Turmeric variety with high curcumin and high yield, short duration and nematode tolerance which is tolerant to end season water stress has been developed. |
|--|--|--|

| Sl. No | Question | Reply |
|--------|--|----------------|
| A | The number of complaints of sexual harassment filed by female employees in all the Ministries / Departments of the Government during each of the last three years and the current year Ministry / Institution-wise | NONE |
| B | The details of such complaints and the status of their disposal | Not applicable |
| C | Whether a large number of fake complaints are being filed by female employees to get undue benefit and | NO |
| D | If so, the details thereof? | Not applicable |

LOK SABHA Un-Starred Question No. 1256 for 28.06.2019

| Sl. No | Question | Reply |
|--------|--|--|
| A | Whether all the Central Government Departments and PSUs have constituted Internal Complaints Committees (ICCs) to prevent sexual harassment at workplace. If so, the details thereof and if not the reasons therefore: | <p>WOMEN'S COMPLAINT COMMITTEE has been constituted at the Institute with following members:</p> <p>Dr. J Rema, Principal Scientist, Chairman</p> <p>Dr. Femina, Dy. Director, DASD, Calicut External Member</p> <p>Dr. C Sarathambal, Scientist , Member</p> <p>Dr. K K Aiswarya, SMS, KVK , Member</p> <p>Mr. P Muraleedaran, AAO (Regional Station, Appangala), Member</p> <p>Mrs. N Rebeena, LDC, Member Secretary</p> <p><i>Functions: To examine charges of sexual harassment of women in workplace.</i></p> |
| B | The total number of sexual harassment complaints filed by employees of departments of the Central Governments before the respective ICCs since 2013. | NIL |
| C | Whether it is true that ICCs have not completed the investigation in to such complaints within the statutorily mandated period and if so the details thereof along with the number of such pending cases | Not applicable |

| | | |
|---|---|----------------|
| D | The action taken or being taken against such ICCs of Central Government departments that have failed to submit their investigation report within statutorily mandated period | Not applicable |
| E | The number of employees of Central Government / departments officials that have been suspended or dismissed on charges of sexual harassment, since 2013, and | None |
| F | Whether the judiciary falls under the purview of Women at Workplace (Prevention, Prohibition and Redressals Act 2013 and if so, the details of ICCs in Higher Courts and if not, the reasons therefore? | Not applicable |

LOK SABHA Un-Starred Question No. 6 for 02.02.2018

| Sl. No | Question | Reply |
|--------|--|----------------|
| A | The number of complaints of sexual harassment filed by female employees in all the Ministries / Departments of the Government during each of the last three years and the current year Ministry / Institution-wise | NONE |
| B | The details of such complaints and the status of their disposal | Not applicable |
| C | Whether a large number of fake complaints are being filed by female employees to get undue benefit and | NO |
| D | If so, the details thereof? | Not applicable |

Lok Sabha D.No.542 Sitting on 05-02-2019

Vacancies in ICAR Institutions (ICAR-Indian Institute of Spices Research, Kozhikode)

(a) The total number of posts lying vacant in the institutions under the ICAR-IISR

| Sl. No. | Category | Vacancy in Institute | Vacancy in KVK |
|---------|----------|----------------------|----------------|
|---------|----------|----------------------|----------------|

| | | | |
|---|----------------|----|----|
| 1 | Scientific | 07 | - |
| 2 | Technical | 11 | 01 |
| 3 | Administrative | 08 | 01 |
| 4 | Supporting** | 51 | - |
| | Total | 77 | 02 |

(b) The action plan formulated by the Government to fill these posts : NA

(c) The total number of posts of Scheduled Caste/Scheduled Tribes and Other Backward Classes lying vacant in these topmost institutions and the details thereof State-wise

| Sl. No. | Category | Vacancy in SC | Vacancy in ST | Vacancy in OBC |
|---------|-------------------|---------------|---------------|----------------|
| 1 | Scientific 44+1 * | | | |
| 2 | Technical | 02 | 01 | - |
| 3 | Administrative | 03 | - | 01 |
| 4 | Supporting** | 04 | 03 | 17 |
| | Total | 09 | 04 | 18 |

- Recruitment is on all India basis done by ASRB

** Review of the position of SSS in ICAR system is under process at HQ level.

* RMP post (Director).

PARLIAMENT QUESTION (DNo.409)

| Sl. No | Question | Reply |
|--------|---|--|
| A | Whether keeping in view of encroachments, the Government has demarcated the boundaries of properties including lands of institutes under ICAR across the Country | The boundaries of ICAR-Indian Institute of Spices Research, Kozhikode, Kerala including its Regional Station, Experimental Farm and Krishi Vigyan Kendra has already been demarcated and compound wall were constructed to protect the properties. |
| B | If so the details of thereof and the action taken or to be taken by the Government in this regard | N A |
| C | Whether the Government has prepared any road map to stop, vacate and ensure zero tolerance towards encroachments on properties including lands of institutes under ICAR | N A |
| D | Whether the Government is planning to digitalize the details of properties including lands of the institutes under ICAR throughout the Country | Yes |
| E | If so the action plan chalked out in this regard | Digitalization of land is in progress and it will be completed soon |
| F | If not, the reasons thereof? | NA |

Reply to Lok Sabha Admitted Unstarred Question No. 4566 by Shri. Godse Hemand Tukaram due for answer on 08.01.2019 regarding "Mission for Integrated Development of Horticulture":

- (a) The salient features of the Mission for Integrated Development of Horticulture (MIDH) along with the facilities provided under the scheme;

MIDH supported following activities at ICAR - IISR, Kozhikode

- (i) **Production of nucleus planting material of improved varieties of spices** - Last five years 8.0 Lakhs black pepper rooted cuttings, 15.0 tonnes of ginger seed rhizome and 25.0 tonnes of turmeric seed rhizome produced.
- (ii) **Front Line Demonstration of Organic Farming and diseases management** - 10 demonstrations were conducted during last five years

- (iii) **Farmers training on spices production and PHT / Seminar/Skill Development Training** - Twenty trainings were conducted during last five years
- (iv) **Infra structure created** – Two nursery structures were created for production of quality planting material.

(b) The criteria laid down to include district / development block and the total number of

Districts / development blocks covered under the Mission, State wise;

N A

(c) Whether in the wake of climate change, any step has been taken to innovate, diversify

and grow fruits, vegetables, flowers and other horticulture crops in the non-traditional areas

in the country and if so, the details thereof and the achievements made there under; and

National Symposium on Spices and Aromatic Crops with a theme on Spices for doubling farmer's income was organised jointly with Indian Society for Spices, Kozhikode, Kerala 15-17 March 2018, at School of Agricultural Science & Rural Development, Nagaland University, Nagaland to popularise spices cultivation in north eastern region.

(d) The other steps taken to promote horticulture in the country?

(i) Two days seminar with special focus on Turmeric - "**Turmeric fest**" was organised at Kozhikode during 19-20 January, 2018 with a focus on the emerging elite status of turmeric crop and showcased a cafeteria of value added products across the turmeric value chain. Around 300 farmers participated.

(ii) Two day farmers seminar - "**Spice fest**" on "**Good Agricultural Practices for Clean and Safe Spices**" was organised at Kozhikode during 22-23 December 2018 with a focus on the production of pesticide free spices. Exhibition was also arranged on varietal wealth and value added products. Around 500 farmers participated.

Lok Sabha Provisionally admitted Starred / Unstarred Question D No. 9060 on Contribution of agricultural research institutes

a. Whether agriculture research and development institutes are functioning for the development of agriculture in Madhya Pradesh

All India coordinated Research project on Spices (AICRPS) has one of its voluntary centre at Jabalpur catering the research and developmental activities of spice crops like coriander, fennel and fenugreek in Madhya Pradesh. Also the technologies developed by nearby AICRPS centre at Raigarh in Chhattisgarh perform well under Madhya Pradesh conditions.

b. If so, the details thereof, location wise

The voluntary centre of AICRPS at Madhya Pradesh is located at Jawaharlal Nehru Krishi Vishwavidyalaya, Jabalpur and nearby AICRPS centre is located at Indira Gandhi Krishi Viswavidyalaya, Raigarh.

c. The details of the works carried out by the said Institutes for the development of agriculture during the last three years

i. Development of superior varieties- for food safe spice production

- a. **JD (SI)-1-** High oil type coriander (0.67 %) variety with high yield potential (14.14 q ha⁻¹) developed by JNKVV, Jabalpur is highly suitable for Madhya Pradesh conditions
- b. **Chhattisgarh Sri Chandrahansini Dhania-2-** climatic resilient coriander variety suitable for both leafy and seed purpose, moderately resistant to powdery mildew and aphids performs well under Madhya Pradesh conditions developed by IGKV, Raigarh
- c. **Gujarat Coriander-3-** High yield (16.94 q/ha), high volatile oil (0.52 %) and high linalool (72.16%) content coriander developed by SDAU, Jagudan is also suitable under Madhya Pradesh conditions
- d. **AD-1-** high yielding coriander suitable for rainfed conditions with medium maturity performs well under Madhya Pradesh conditions developed by Dr. YSRHU, Guntur.

ii. Development of improved technologies- for food safe spice production

- a. **Management of *Colletotrichum* and *Taphrina* leaf blotch of turmeric-** Rhizome treatment with Carbendazim + Mancozeb (1:1) (0.1%) + Foliar spray – Carbendazim + Mancozeb (0.1%) on 45 and 90 days
- b. **Management of Stem gall of coriander-** Seed treatment with Hexaconazol 0.2% and Propiconazol 0.2% at 45, 60 and 75 days after sowing
- c. **Drip irrigation and fertigation in coriander –**Fertigation with water equal to 80% of actual evaporation at an interval of 2-3 days through soluble fertilizers at different growth stages (20, 40, 60 & 80 DAS) is recommended for improving the yield and WUE in coriander in light textured soils of India. By adoption of this method 18.7% water can be saved along with 45% increase in yield of coriander as compared to conventional practice with BC ratio of 3.62.

iii. Transfer of technology- for technology dissemination

Three demonstrations on the improved varieties of coriander and two demonstrations on fertigation in coriander were conducted and four large farmers fair were organized in the villages of Raigarh benefitting 1500 farmers.

The seed materials (10 tonnes) of high yielding and high quality turmeric variety IISR Prathibha were distributed through the licensees of Indian Institute of Spices Research (IISR) at Satna, Madhya Pradesh.

To promote entrepreneurship in agri business through technology development and commercialization, ICAR- IISR has given license to the following firms

Lean Crop Technology Solutions, Indore, Madhya Pradesh for turmeric variety, IISR Pragati, known for its stable and high curcumin variety (5.02%)/ ha, short duration variety (180 days to harvest) with nematode tolerance.

SRT Agro Sciences Pvt. Ltd, Patan district of Chhattisgarh for biocapsule technology which is a novel method of storing and delivering PGPR/ microbes through biocapsules and seed coating technology which is a novel process of coating efficient strains of micro organisms on seeds for enhanced germination, yield, quality and viability during storage.

Loksabha question D. No. 8124 regarding Production of turmeric

a. the details of the quantum of turmeric produced in the country and the number of farmers involved in the cultivation, State/UT-wise

India is the main current producer of turmeric, and it is also the major user of its own production. Other producers in Asia include Bangladesh, Pakistan, Sri Lanka, Taiwan, China, Burma (Myanmar), and Indonesia. Turmeric is also produced in the Caribbean and in Latin American countries including Jamaica, Haiti, Costa Rica, Peru, and Brazil. In India, the area under turmeric cultivation is about 2,24,260 ha annually and production is around 11,07,920 t (2017-18). Productivity is estimated to be about 4.94 t/ha (Spices Board 2018). Major producing states in India were Telangana, Tamil Nadu, Andhra Pradesh, West Bengal, Assam, and Karnataka. Telangana was the major producer contributing about 26% of total production (Spices Board 2018).

b. the total production of turmeric recorded during each of the last three years and the current year, State/UT-wise

Area and production of turmeric during last three years (Source: Spices Board)

| States | 2015-16 | | 2016-17 | | 2017-18 (Estimate) | |
|----------------|-----------|-------------------|-----------|-------------------|--------------------|-------------------|
| | Area (ha) | Production (tons) | Area (ha) | Production (tons) | Area (ha) | Production (tons) |
| TELANGANA | 42540 | 184290 | 51000 | 294000 | 51000 | 294000 |
| MAHARASHTRA | 10710 | 177850 | 14050 | 224680 | 14050 | 224680 |
| ANDHRA PRADESH | 17020 | 121120 | 19180 | 79730 | 19180 | 79730 |
| KARNATAKA | 14990 | 76490 | 19330 | 114510 | 14990 | 76490 |
| GUJARAT | 3550 | 69250 | 3710 | 73150 | 3710 | 73150 |
| TAMIL NADU | 29880 | 115350 | 35800 | 129560 | 16190 | 57150 |
| ORISSA | 2480 | 30000 | 27860 | 54500 | 27860 | 54500 |
| WEST BENGAL | 16710 | 42410 | 18000 | 45500 | 18000 | 45500 |
| MIZORAM | 7200 | 27820 | 7480 | 28890 | 7740 | 29820 |
| HARIYANA | 1330 | 23840 | 1500 | 22000 | 1500 | 22000 |
| ASSAM | 16270 | 16180 | 16805 | 16750 | 17110 | 19170 |
| Sub total | 162680 | 884600 | 214715 | 1083270 | 191330 | 976190 |

| | | | | | | |
|------------------------|--------|--------|--------|---------|--------|---------|
| Others | 20800 | 82460 | 33335 | 132250 | 32930 | 131730 |
| TOTAL including others | 183480 | 967060 | 248050 | 1215520 | 224260 | 1107920 |

e. the steps taken by the Government to promote turmeric production in the country

In case of turmeric, ICAR (through ICAR-Indian Institute of Spices Research, Kozhikode, Kerala and All India Co-ordinated Research Project on Spices) has contributed substantially by developing high yielding varieties with desirable agronomic traits; technologies for increasing the production and productivity of turmeric by combating its pests **and diseases**.

Improved Turmeric Technologies Developed for Enhancing Production

| S.No | Technology | Number of technologies | Remarks |
|------|--------------------------------------|--------------------------|---|
| 1 | High yielding varieties in turmeric | 21 | High yielding varieties of turmeric enhances the income of farmers by increasing the yield from 10-30 % as compared to the local cultivars. Industry demands high quality turmeric varieties which is also beneficial to the farmers as they fetch premium price. |
| 2 | Quality planting material production | transplanting technology | It saves 60% cost of seed rhizome and ensures 98- 100% field establishment. |
| 3 | Crop production technologies | 22 | Integrated nutrient management, fertigation, micro nutrient management, biofertilizer management were recommended for farmers for enhancing the production of turmeric in India. |
| 4 | Plant health management | 18 | Following technologies were developed for enhancing the productivity of turmeric: Integrated disease management, foliar disease control, novel delivery of bio-control agents |

Details of technologies:

1. Research and development in turmeric at ICAR-IISR

The Indian Institute of Spices Research (IISR) is a premier organization in the country under the Indian Council of Agricultural Research (ICAR), devoted to spice research. For the past 30 years, IISR has been relentlessly pursuing to improve production and productivity of spices in India by conducting and coordinating high quality research in various regions of the country.

High yielding varieties

ICAR-IISR has so far released 29 high yielding spice varieties. They include eight high yielding and high curcumin varieties of turmeric viz,

- Suvarna (yield -17.4 t fresh/ha),
- Sudarsana (yield -28.8 t fresh/ha),
- Suguna (yield -29.3 t fresh/ha),
- Prabha (yield -37.5 t fresh/ha) and
- Prathibha (yield -39.1 t fresh/ha).
- IISR Alleppey Supreme (35.4 t fresh/ha)
- IISR Kedaram (34.5 t fresh/ha) and
- IISR Pragati (37.0 t fresh/ha)

Improved soil less method (Pro-tray) for production of healthy planting material of turmeric

A transplanting technique in turmeric by using single bud sprouts (about 5 g) has been standardized to produce good quality planting material with reduced cost. The yield level of ginger transplants is on-par with conventional planting system. The technique involves raising transplants from single sprout seed rhizomes in the pro-tray and planted in the field after 30-40 days. The advantages of this technology are production of healthy planting materials and reduction in seed rhizome quantity and eventually reduced cost on seeds. The advantages of this method include less planting material requirement, 500-750 kg/ ha, hence saving in seed cost and only 1/5th of seed material is needed. It aids in 98 – 100% field establishment and is suitable for high production technology, early/delayed planting and ensures high cost: benefit ratio.

Site-specific nutrient management plans and micronutrient formulations for targeted yield in turmeric

Nutrient management plans for spices based on soil test values have been standardized for conventional, integrated and organic farming systems. Besides crop specific, soil pH based micronutrient mixtures for foliar application in black pepper, cardamom, ginger, and turmeric crops which guarantees 15 to 25% increase in yield and quality have also been developed. An innate advantage of these mixtures is that they can also be used in organic agriculture and therefore are benign and environment friendly. The technology comes at very low cost and hence is very farmer friendly. The micronutrient technologies have been

licensed to entrepreneurs for large scale production and commercialization. Process patents of four of these formulations have been filed.

Novel and smart delivery method of biocontrol agents through encapsulation:

A perfect biofertilizer formulation heretofore does not exist and each type (talc, liquid etc) has its own advantages and limits. Nevertheless, a promising advancement has been the development of techniques that allow encapsulating the microbial strain in a nutritive shell or capsule and deliver them to the targeted site. While encapsulating techniques have been fairly successful in the laboratory, attempts to emulate the performance in the field have been largely unsuccessful. Therefore, presently no such commercial products are available in the market. ICAR-IISR has made a significant breakthrough in the successful encapsulation and delivery of a plant growth promoting rhizobacteria for growth promotion and disease control in ginger. The encapsulation process is simple, does not require sophisticated equipments and comes at low investment. Other advantages include reduced cost and easy handling and transport, no harmful by products, less requirement of inorganic and inert material, storage at normal temperature and more importantly, enhanced shelf life. Besides, this encapsulation technique can be used to deliver all kinds agriculturally important microorganisms viz., N fixers, nutrient solubilizers/ mobilizers, PGPR, Trichoderma, Burkholderia etc. The technology is being commercialized by providing non-exclusive licenses to prospective entrepreneurs through the Business Planning and Development Unit.

2. Role of All India Co-ordinated Research Project on Spices in turmeric research

In case of turmeric, AICRPS has contributed substantially since its inception by enriching germplasm (1569 accessions), developing high yielding varieties (21) with desirable agronomic traits; technologies for increasing the production and productivity of turmeric by combating its pests and diseases.

Improved varieties of turmeric for increasing farmer's income

Curcumin is one of the important quality parameters in turmeric and varieties rich in curcumin content are Roma (6.1%), Suroma (6.1%), IISR Prathiba (6.2%), IISR Prabha (6.5%), Megha turmeric-1 (6.8%), IISR Alleppy Supreme (5.5%) and IISR Pragati (5%). Climate resilient varieties of turmeric viz., IISR Pragati (short duration variety overcoming drought) and NDH98 (saline tolerant, stable yield across the country) are boon to the farmers in the present scenario of climatic fluctuation.

Technologies for crop production and plant health management

- Rapid multiplication: Rhizome bits of 5-6 g with a bud planted in portray requires 1/4th of planting material requirement of conventional propagation. It saves 60% cost of seed rhizome and ensures 98- 100% field establishment.
- Micro irrigation - Application of water through drip system at 80% pan evaporation (once in a day for 45 minutes) maximizes fresh rhizome yield (43.52 t/ha) and curcumin content (4.26%) with increased water use efficiency
- Fertigation- Application of 100% RDF with urea and potash as straight fertilizers and P as water soluble fertilizer weekly once gives a yield of 49.11 t/ha with BC ratio of 2.94. This technology saves labour and 40% of water requirement and is recommended for turmeric growing areas of Tamil Nadu.

- Organic nutrient management: Soil application of FYM @30 t/ha + Vermicompost @ 20 q/ha + Neem oil cake @ 8 q/ha resulted in 68% increase in yield over control and C: B ratio of 1:3.64. Recommended for Bihar.
- Application of *Azospirillum*: Soil application of inorganic N @150 kg/ha + *Azospirillum* @1.5 kg/ha + FYM @ 5 t/ha results in 35% increase in yield over control and C: B ratio of 1:5.27. Recommended for Bihar
- Integrated nutrient management- Soil application of FYM @30 t/ha + Vermicompost @ 20 q/ha + Neem oil cake @ 8 q/ha resulted in 68% increase in yield over control and C: B ratio of 1:3.64. Soil application of inorganic N @150 kg/ha + *Azospirillum* @1.5 kg/ha + FYM @ 5 t/ha results in 35% increase in yield over control and C: B ratio of 1:5.27
- Micro nutrient supplementation- For iron deficient soils of Bihar (1.73 ppm), foliar application of Ferrous sulphate @ 0.5% at 60 & 90 days after planting is beneficial for yield enhancement with Cost: Benefit ratio of 1:2.54.
- Integrated pest and disease management- For rhizome rot and wilt of turmeric, seed rhizomes can be treated with mancozeb (0.25%) or carbendazim (1.0%) for 30 minutes prior to storage and at the time of planting. Drenching of infected plants/ beds with copper oxychloride (0.3%) or mancozeb (0.3%) or 1% Bordeaux mixture controls the diseases.
- Management of foliar disease of turmeric in Bihar-Pre-planting treatment of rhizome and foliar spray of standing crop at 90, 105, 120 days after planting with Propiconazole (0.1%) controls *Colletotrichum* leaf spot and *Taphrina* leaf blotch with the per cent disease intensity of 18.34 and 21.67 % respectively.
- Technology for management of *Colletotrichum* and *Taphrina* leaf blotch of turmeric at Chhattisgarh- Rhizome treatment with Carbendazim + Mancozeb (1:1) (0.1%) + foliar spray of Carbendazim + Mancozeb (0.1%) on 45 and 90 days controls *Colletotrichum* leaf spot of turmeric with the disease intensity of 13.64 % and B:C ratio of 1:2.8.
In the case of *Taphrina* leaf blotch of turmeric, seed rhizome treatment with Azystrobin (0.1 spray on 45, 75 and 105 DAP days gives low disease intensity of 15.48 % and B:C ratio of 1:2.8.

Details of turmeric varieties released by ICAR-IISR and AICRPS

| Sl. No | Variety/ Year of release | Pedigree/Parentage | Institute/University | *Av. yield t/ha (fresh) | Salient features | Recommend State/Region |
|--------|---------------------------|---|---|-------------------------|---|---|
| 1 | Roma 1991 | Clonal selection from T.Sunder | High Altitude Research Station, OUA&T, Pottangi-764 039, Korapurt (Dist), Orissa | 20.7 | Suitable for both rainfed and irrigated condition. Suitable for hilly areas and late season planting. Curcumin 6.1%, oleoresin 13.2%, essential oil 4.2% and dry recovery 31.0%, duration 250 days. | Orissa, TN, HP, AP and Kerala |
| 2 | Suroma 1988 | Clonal selection from T.Sunder by x-ray irradiation | High Altitude Research Station, OUA&T, Pottangi-764 039, Korapurt (Dist), Orissa | 20.0 | Round and plumpy rhizome, field tolerance to leaf blotch, leaf spot and rhizome scale, curcumin 6.1%, oleoresin 13.1%, essential oil 4.4% and dry recovery 26.0%, duration 253 days. | Orissa, TN, HP, AP and Kerala |
| 3 | Suranjana (TCP-2) 2001 | Clonal selection from local types of West Bengal | <i>Uttar Banga Krishi Viswa Vidyalaya, North Bengal Pundibari (PO)- 736 165, Dist. Cooch Behar, West Bengal</i> | (Pot. yield 29.0) | Suitable for open and shaded conditions, sole or intercrop, suitable for rainfed as well as high rainfall areas. Curcumin 5.7%, oleoresin 10.9%, essential oil 4.1%, dry recovery 21.2%, duration 235 days, tolerant to leaf blotch and rhizome rot. Resistant to rhizome scales and moderately resistant to shoot borer. | West Bengal |
| 4 | Suguna 1989 | Selection from germplasm collected from Assam | Indian Institute of Spices Research, ICAR, Calicut- 673 012 | 29.3 | Short duration type (190 days), curcumin 4.9%, oleoresin 13.5%, essential oil 6.0% and dry recovery 20.4%, field tolerant to rhizome rot. | Kerala and Andhra Pradesh |
| 5 | Sudarshana 1991 | Selection from germplasm, collected from Singhat, Manipur | Indian Institute of Spices Research, ICAR, Calicut- 673 012 | 28.8 | Early maturing, field tolerant to rhizome rot. | |
| 6 | Suvarna 1989 | Selection from germplasm collected from Assam | Indian Institute of Spices Research, ICAR, Calicut- 673 012 | 17.4 | Bright orange coloured rhizome with slender fingers. Maturity 200 days, field tolerant to pest and diseases. Curcumin 4.3%, oleoresin 13.5%, essential oil 7.0% and dry recovery 20.0%. | Kerala, Karnataka and Andhra Pradesh |
| 7 | IISR Prabha 1995 | Open pollinated progeny, selection | Indian Institute of Spices Research, ICAR, Calicut- 673 012 | 37.47 | High yielding variety, curcumin content 6.5%, oleoresin 15.0%, essential oil 6.5% and dry recovery 19.5%, crop duration 205 days. | Kerala and Tamil Nadu |
| 8 | IISR Prathiba 1995 | Open pollinated progeny selection | Indian Institute of Spices Research, ICAR, Calicut- 673 012 | 39.12 | High quality line, 6.2% curcumin content with high yield, 16.2% oleoresin, 6.2% essential oil, 18.5% dry recovery, crop duration 225 days. | Kerala, Tamil Nadu and other states |
| 9 | IISR Alleppy Supreme 2004 | <i>A clonal selection from Alleppy turmeric</i> | Indian Institute of Spices Research, ICAR, Calicut- 673 012 | 35.4 5.58 (dry) | Shows tolerance to leaf blotch disease. Rhizomes contain 5.55% curcumin, 16.0% oleoresin, 19.0% dry recovery, crop duration 210 days | Kerala (rainfed) Maharashtra, Karnataka and N. Bengal (irrigated) |
| 10 | IISR Kedaram 2004 | <i>Clonal selection from germplasm</i> | Indian Institute of Spices Research, ICAR, Calicut- 673 012 | 34.5 5.28 (dry) | Tolerant to leaf blotch disease, Rhizomes contain 5.5% curcumin, 13.6% oleoresin, maturity 210 days and 18.9% driage. | Kerala (rainfed) Maharashtra, Karnataka and N. Bengal (irrigated) |
| 11 | Narendra Haldi - 1 2007 | Selection from germplasm (NDH 18) | Department of Vegetable Science, N.D. University of Agriculture & Technology, Kumarganj, Faizabad. | 3000-3500 | High yield potential, good size and colour of rizophomes, high amount of curcumin and essential oil | Uttar Pradesh |

| | | | | | | |
|----|-------------------------|--|--|-------------------|---|---|
| 12 | Narendra Haldi - 2 2012 | Selection from germplasm (NDH 14) | Department of Vegetable Science, N.D. University of Agriculture & Technology, Kumarganj, Faizabad. | 3500-4000 | High yield potential, good size finger | Uttar Pradesh |
| 13 | Narendra Haldi - 3 2014 | Selection from germplasm (NDH 9) | Department of Vegetable Science, N.D. University of Agriculture & Technology, Kumarganj, Faizabad. | 3250-3500 | High yielding,, Root knot resistant, Moderate resistant against leaf spot and leaf blotch | Uttar Pradesh |
| 14 | Duggirala Red 2013 | Mass selection | Dr. Y. S. R. Horticultural University, Turmeric Research station, Kammarapally | 25 | High yielding variety, Rhizomes are long, plumpy, strong and very deep orange in colour. | Andhra Pradesh |
| 15 | BSR-2 | Induced mutant from Erode local | Department of Spice and Palntation crops, TNAU, Coimbatore, Tamil Nadu | 32.7 | High yielding short duration variety with bigger rhizomes, resistant to scale insects | |
| 16 | Surangi | Clonal Selection | High Altitude Research Station, OUA & T, Pottangi, Orissa | 24.3 t/ha (fresh) | Short duration variety | Orissa |
| 17 | NDH-98 | Clonal Selection of the local land race | N.D. University of Agriculture & Technology, Kumarganj, Faizabad (U.P.). | 35-37 t/ha | High yield potential | All the turmeric growing regions of the country |
| 18 | IISR Pragathi | clonal selection from germplasm collections. | ICAR-Indian Institute of Spices Research, Kozhikode, Kerala | 33.19 t/ha | High yield potential, short duration nature, moderately tolerant to root-knot nematodes and curcumin content of 5% | Kerala, Karnataka, Andhra Pradesh, Chhattisgarh and Telangana |
| 19 | Narendra Sarayu | clonal selection from germplasm | N.D. University of Agriculture & Technology, Kumarganj, Faizabad (U.P.). | 30 t/ha | high curcumin content (5-6%) and more number of primary fingers, has yield advantage of 10% over the national check | Andhra Pradesh, Kerala, Tamil Nadu, Telengana, Uttar Pradesh, Gujarat |
| 20 | CL 34 (CO3) | clonal selection from germplasm | Tamil Nadu Agriculture University, Coimbatore | 25.36 t/ha | High curcumin content and resistant to leaf spot and blotch disease | Tamil Nadu, Chattisgarh, Uttar Pradesh |
| 21 | TCP 129 (Uttar Rangini) | clonal selection from local landrace | Uttar Banga Krishi Viswavidhyalaya, Pundibari | 28.91 t/ha | Tolerant to leaf spot and leaf blotch and with curcumin content of 5.1% and high dry recovery of 26.51% | West Bengal, Bihar and Tamil Nadu |

Lok Sabha Question Dy. No. 8156 for 01.01.2019 regarding "Agricultural Research"

Question:

(b) whether any advances/achievements in agricultural technology have been made in any of the agricultural research institutes in the country

(c) If so, the details thereof during each of the last three years and the current year

Ans:

Research Achievements/Technologies developed by ICAR-Indian Institute of Spices Research, Kozhikode for the last three years

2015-16

- One hundred and ninety two accessions of black pepper, nineteen nutmeg, one cardamom 22 ginger and 6 turmeric accessions were collected and enriched the repository.
- A unique, very rare seed sterile nutmeg accession having normal fruit but with rudimentary seed and finely packed, multi tiered mace is collected from a farmer's garden In Kerala.
- The complete genome of Cucumber Mosaic virus (CMV) infecting black pepper was sequenced and compared with CMV isolated reported worldwide from groups I and II.
- A loop-mediated isothermal amplification (LAMP) and real-time LAMP based assays were developed for quick and sensitive detection of transgenic black pepper.
- Drenching Tebuconazole (0.05%) was effective against rhizome and root rot pathogens of cardamom in the nursery.
- Developed new artificial media for production of EPNs promising against shoot borer of ginger and turmeric.
- A new species of group I tetrahedral shaped multiple nucleopolyhedrovirus isolate, belonging to *Alphabaculovirus* infecting *Spilarctia obliqua*, a polypahgous pest on ginger and turmeric was isolated and characterized.
- A quick diagnostic tool utilizing Real Time LAMP, was developed for on-farm detection and quantification of Ralstonia sp. in soil and seed rhizomes of ginger.
- A mechanical unit was developed with a capacity of 125 kg/h and evaluated for production of white pepper from dried black pepper.
- Two partnership agreements were signed with four SHGs/ entrepreneurs for commercial production of spices powders at institute processing BPD facility for promoting entrepreneurship development.
- Three new data bases on Plant based compounds and their bioactivity (SpiceComDB), MS/MS generated peptides from black pepper (PiperPepDB) and on Burrowing nematodes (Radobase) were developed.
- Non exclusive agreements were signed with M/s. Codagu Agritech, Karnataka for commercial production of biocapsule technology, microbial consortium for black pepper and *Trichoderma harzianum*. Non exclusive license for commercial multiplication of IISR varieties Keralashree (first spice variety developed through farmers participatory breeding), Prathibha and Mahima, were issued to three farmers.
- Eighteen demonstrations on site specific nutrient management systems under Coconut, black pepper and nutmeg based intercropping systems were initiated at three Panchayats of Kozhikode and Ernakulam Districts.
- Soil health cards were issued to 900 farmers based on soil test and advisory was given for different crops.
- Institute along with its KVK participated in 15 exhibitions at National and district levels including 10 days South Indian Agri fest at Kannur, Kerala. Seventeen farmers groups from within and outside the state visited the institute for technology learning.

- Conducted 28 off and on campus trainings on spices production technologies for more than 650 farmers including tribal families and 225 departmental officials covering Odhisha, Maharashtra, Kerala and North Eastern States.

2016-17

- A field gene bank of black pepper with 200 accessions was established at Peruvannamuzhi. Field genebank at CHES, Chettalli with 627 cultivar accessions established. 1404 *Curcuma* and 668 *Zingiber* accessions have been maintained in the field gene bank. The germplasm conservatory enriched with 16 ginger accessions.
- Three potential mutants against *Ralstonia solanacearum* (HP 0.5/2, HP 0.5/15 and M 0.5/1) and *Pythium* sp. (V 0.5/2, R 0.8/1 and R 1.25/4) were planted for multiplication.
- 24 AMPs from black pepper-*Phytophthora* interaction were identified using proteomics.
- One lakh rooted cuttings of black pepper are produced and sold to different agencies.
- State/ District wise soil micronutrient status (Fe, Mn, Zn, B) maps for black pepper, cardamom, ginger and turmeric growing areas of Tamil Nadu, Kerala, Karnataka and Assam prepared
- The entomopathogenic fungus infecting turmeric shoot borer has been identified as *Metarhizium pingshaense* (IISR-EPF-14) based on molecular studies.
- Real time lamp analysis for the diagnosis and genus specific detection of *Phytophthora* has been standardized
- One license for the black pepper variety IISR Thevam and one licenses for the nutmeg variety, IISR Keralashree and one for ginger and turmeric were also issued on non exclusive basis.
- The database on burrowing nematodes (Radobase) and plant viruses from India (Indian PlantVirusDB) were updated and launched. Development of SpiceCom database has been developed for different compounds reported in major spice crops
- Twenty four FLDs on improved technologies on black pepper and 20 participatory nurseries were initiated at farmer's plots in four panchayats of Kozhikode district, Kerala. Twenty three demonstrations on site specific nutrient management were taken up on black pepper, nutmeg and coconut in farmer's plots in Kozhikode and Ernakulam districts
- 620 soil samples from farmer's plots were analysed for macro and micro nutrients and issued with soil health card advisories
- Under Tribal Sub Plan (TSP) the institute has conducted several training programmes to tribal farmers/ youth/ women on spices production technology, vegetable cultivation etc. and installed community facilities like polyhouses, sprayers, irrigation pumps, supply of planting materials of improved varieties of ginger, turmeric and black pepper and allied crops in Kerala, Nagaland, Arunachal Pradesh and Tripura benefitting 150 tribal families in 10 hamlets.
- A renewable solar energy unit having solar thermal collectors with curved parabolic mirrors which concentrates solar radiation thereby generating steam. The unit has a cooking vessel of capacity 50 kg turmeric/batch and complete cooking of turmeric could be achieved in 45 min.

2017-18

- A field gene bank of black pepper with 670 accessions was established at CHES, Chettalli and was enriched with 100 accessions during this period. Forty four black pepper, 30 cardamom, 20 ginger accessions and 6 *Zingiber* sp., 32 turmeric accessions and 13 *Curcuma* sp. and 3 each of clove, cinnamon and garcinia accessions were added to the germplasm repository.
- Standardized protocols for isolation of somatic embryo from micropylar region, regeneration and hardening, obtaining 55 – 100% virus elimination from different black pepper varieties
- Based on the relative spread and yield index, out of 97 black pepper growing districts in India, 84 were delineated as efficient producing zones with 26 districts in Assam, 2 districts in Goa, 19 districts in Karnataka, 9 districts in Kerala, 10 districts in Meghalaya, 7 districts in Nagaland and 11 districts in Tamil Nadu.
- Growing ginger under green and red shade net (40% shade) was found to enhance yield, oil and oleoresin in ginger. Ginger grown under red and green shade nets produced on an average 35% and 29.6% more yield compared to that grown under open condition. Shade nets also found to enhance the oil and oleoresin by 10-15%.
- A technology package for sustaining the health and yield of virus infected (Mild & moderately affected) black pepper vines including application of FYM (10-15 kg per standard), site specific NPK application, foliar application of micronutrient @ 5g/L twice and application of black pepper PGPR consortia – twice, has been standardized.
- The complete genome of *Banana bract mosaic virus* (BBrMV), a *Potyvirus* belonging to the family Potyviridae causing chlorotic streak disease of cardamom (*Elettaria cardamomum*) in India was sequenced for the first time from a naturally infected cardamom var. Njallani Green Gold.
- Two sprays of spinosad 0.0135% and soil application of *Lecanicillium psalliotae* twice alternatively during March, April, May and August were effective in controlling cardamom thrips. The multifarious plant growth promoting traits of the fungus *L. psalliotae* was established.
- Solarization of soil followed by soil application of CaCl_2 3% (soil application at the time of planting and at 30, 45 and 60 days) for the management of bacterial wilt resulted in 100% inhibition of bacterial wilt in the sick field as well as 98.21% inhibition under challenge inoculated conditions for bacterial wilt management.
- A freeze dried powder extracted from fresh turmeric juice of variety Prabha showed enhanced bioavailability of curcumin when extractated in virgin coconut and olive oils indicating its potential for developing a product against Alzheimer's disease.
- Four licenses for cardamom micronutrient mixture, two licenses for black pepper micronutrient mixture, were issued on non exclusive basis.
- Eighteen demonstrations on site specific nutrient and sub soil acidity management on coconut, black pepper and nutmeg are being conducted in farmer's fields. Conducted 19 exposure trainings benefitting 275 farmers across states and conducted two in house trainings for 45 farmers on spices cultivation.
- Five hundred and twenty farmer's soil samples were analysed for macro and micro nutrients and issued with soil health cards

- *ICAR-IISR Black pepper* and *ICAR-IISR turmeric mobile apps* developed to help farmers by providing relevant information on cultivation, management, plant protection etc with a click of a button.

Question (d)

Whether these advances/achievements have been adopted by farmers in the country.

Ans: Technologies adopted by farmers/stakeholders

- 300-400 t of nucleus seed of IISR Pragati distributed as seed helped in increasing the farmers income in Tamil Nadu, Telengana and AP. This variety has been already been adopted in mass seed multiplication programmes of MIDH and State Departmental programmes (SHM) of major turmeric growing tracts like Andhra Pradesh, Tamil Nadu and Telengana.
- The IISR-Pratibha, a high curcumin turmeric variety developed by the institute was grown by several farmers in Andhra Pradesh and Kerala and they turned to entrepreneurs by producing and supplying seed rhizomes after obtaining non exclusive licenses from IISR and helped in lateral spread of the variety. Mr. Chandrasekhar Azad, Hyderabad adopted this improved variety and popularized it in Andhra Pradesh and adjoining states by providing quality seed rhizomes and created awareness about scientific production technology, for which he received ***IARI Innovative Farmers Award*** – 2013-14 in Feb 2014.
- Farmers group from Amballur, Thrissur, Kerala has taken up mass production of this variety and ventured into the marketing by powdering and selling the high curcumin turmeric powder under as ***Subakshya brand***, as a model value chain in turmeric with traceability.
- The crop specific micronutrients for major spices are being commercialized through non-exclusive licensing to 16 entrepreneurs for various spice crops to enhance the reach and impact. The incremental production resulting from application of micronutrient technology is estimated to be about 1464 tonnes black pepper, 7021 tonnes dry ginger, 7980 tonnes dry turmeric and 60 tonnes cardamom giving an additional economic returns of Rs. 3375 millions.
- The licensee of biocapsule technology sold > 30,000 capsules across the country in last two years and might have reached the adoption in about 5-8 % of the cropped area benefitting in savings on cost of fungicides and growth promotion.
- A mechanical unit developed for white pepper from black pepper produces a white pepper with dry recovery of 68.7% and the capacity of the pulping unit is 125 kg/h. Many entrepreneurs used the technology and the facility installed at our campus and made the value added product.
- A business incubation facility of spice processing equipments at our institute is a big success and all women SHGs like SUBICSHA, Kudumbasree are manufacturing major spice products like chilli, coriander, turmeric powders and chicken masala, sambar masala, biriyani masala and rasam powder etc under IISR supervision in the incubation facility and successfully marketing the same on commercial

venture. More than 18 tonnes of spices are processed and marketed by the incubatees using the facility installed at ICAR-IISR.

Rajyasabha Parliament Starred Question

DY No. 189 for 03-08-2018

Number of soil testing labs set-up in ICAR Institutes (excluding Krishi Vigyan Kendras) during 2014-15 to 2017-18

Sabha Parliament Question :Dy. No.4299 for 1.8.2018

Subject: Invention and discovery in the field of Science and Technology

Reply:

| S. No. | Name of ICAR Institute | Number of mini soil testing labs | No. of Large/ Static Soil Water Testing labs | Number of Soil Health cards distributed | Number of farmers benefitted |
|---------------|---|---|---|--|-------------------------------------|
| 1. | ICAR-Indian Institute of Spices Research, Kozhikode | One | One | 9490 | 9490 |

The major inventions/ discoveries made in the field of science and technology in the country during the last three years and the current year

Improved Varieties

- IISR-Pragati, a high yielding, high curcumin and short duration turmeric variety was released.
- A nutmeg variety developed through farmer's participatory breeding 'IISR-Keralashree' has been recommended for release.

Genomics

- The complete genome of Cucumber Mosaic virus (CMV) infecting black pepper was sequenced and compared with CMV isolated reported worldwide from groups I and II.
- The complete genome of *Banana bract mosaic virus* (BBrMV), a *Potyvirus* belonging to the family Potyviridae causing chlorotic streak disease of cardamom in India was sequenced for the first time from a naturally infected cardamom.

Diagonostics

- A quick diagnostic tool utilizing Real Time LAMP, was developed for on-farm detection and quantification of *Ralstonia* sp. in soil and seed rhizomes of ginger.
- A loop-mediated isothermal amplification (LAMP) and real-time LAMP based assays were developed for quick and sensitive detection of transgenic black pepper.

Virus elimination and Management

- A new species of group I tetrahedral shaped multiple nucleopolyhedrovirus isolate, belonging to *Alphabaculovirus* infecting *Spilarctia obliqua*, a polypahgous pest on ginger and turmeric was isolated and characterized.
- Standardized protocols for isolation of somatic embyo from micropylar region, regeneration and hardening, obtaining 55-100% virus elimination from different black pepper varieties
- A technology package for sustaining the health and yield of virus infected (Mild & moderately affected) black pepper vines including application of FYM (10-15 kg per standard), site specific NPK application, foliar application of micronutrient @ 5g/L twice and application of black pepper PGPR consortia – twice, has been standardized.

Disease Management and Bio control

- Drenching Tebuconazole (0.05%) was effective against rhizome and root rot pathogens of cardamom in the nursery.
- Developed new artificial media for production of EPNs promising against shoot borer of ginger and turmeric.
- Two sprays of spinosad 0.0135% and soil application of *Lecanicillium psalliotae* twice alternatively during March, April, May and August was recommended for controlling cardamom thrips. The multifarious plant growth promoting traits of the fungus *L. psalliotae* was established.
- Solarization of soil followed by soil application of CaCl_2 3% (soil application at the time of planting and at 30, 45 and 60 days) for the management of bacterial wilt resulted in 100% inhibition of bacterial wilt in the sick field.

Value Addition

- A mechanical unit for production of white pepper was developed with a capacity of 125 kg/h.
- A freeze dried powder extracted from fresh turmeric juice of variety Prabha showed enhanced bioavailability of curcumin when extracted in virgin coconut and olive oils indicating its potential for developing a product against Alzheimer's disease.
- Kokum (*Garcinia indica*) Ready to Serve (RTS) juice with powdered cumin and Ginger lime squash were developed and tested. Value added products like jam and candy from nutmeg pericarp were developed and standardized.

Harnessing Solar energy

- The renewable energy based boiling unit with thermal collectors to concentrate solar radiation was installed with a cooking vessel capacity of 50 kg turmeric/batch and complete cooking of turmeric could be achieved in 45 min.

ICT in Agriculture

- *ICAR-IISR Black pepper, a mobile app on black pepper and ICAR-IISR Turmeric, a mobile app on turmeric* were developed to help farmers by providing relevant information on cultivation, management, plant protection etc.

The steps taken for the commercialization of the said inventions/discoveries

- Non exclusive license for commercial multiplication of IISR varieties Keralashree (first spice variety developed through farmers participatory breeding) nutmeg (2 licenses), turmeric IISR Prathibha (1 license), IISR Pragati (2 licenses), IISR Alleppey Supreme (1 license) and ginger IISR Mahima (1 license), IISR Varada (2 licenses), black pepper IISR Thevam (2 licenses) were issued.
- Four licenses for cardamom micronutrient mixture and two licenses for black pepper micronutrient mixture were issued on non exclusive basis for its commercial production.
- Non exclusive license was issued to M/s. Codagu Agritech, Karnataka for commercial production of biocapsule technology, microbial consortium for black pepper and *Trichoderma harzianum*.

The extent of success achieved as a result thereof:

- The high yielding with high quality varieties released by the institute are well adopted by the farmers and help them to get premium prices, as in the case of turmeric varieties, IISR Prathiba and Pragati, farmers are getting 15-20% higher price for the product.
- 300-400 t of nucleus seed of IISR Pragati distributed as seed helped in increasing the farmers income in Tamil Nadu, Telengana and AP. This variety has been already been adopted in mass seed multiplication programmes of MIDH and State Departmental programmes (SHM) of major turmeric growing tracts like Andhra Pradesh, Tamil Nadu and Telengana.
- The IISR-Pratibha, a high curcumin turmeric variety developed by the institute was grown by several farmers in Andhra Pradesh and Kerala and they turned to entrepreneurs by producing and supplying seed rhizomes after obtaining non exclusive licenses from IISR and helped in lateral spread of the variety.
- The crop specific micronutrients for major spices are being commercialized through non-exclusive licensing to several entrepreneurs for various spice crops to enhance the reach and impact. The technology is widely adopted by the farmers and it has already being adopted in 8% of the cropped area in spices.

- The licensee of biocapsule technology sold > 30,000 capsules across the country in last two years and might have reached the adoption in about 5-8 % of the cropped area benefitting in savings on cost of fungicides and growth promotion. The entrepreneur M/s. Codagu Agritech, Karnataka who is commercially producing and marketing the licensed biocapsules presented the success of the technology to the President of India 19 March 2018 in the Festival of Entrepreneurship programme held at Rastrapathi Bhavan.

Parliament question

Lok Sabha Parliament question (Diary No. 5954), by Ministry of Agriculture Cooperation and Farmers Welfare.

Reply:

| Question | Answer |
|--|--|
| Will the Minister of Agriculture and Farmers Welfare: a) The important initiate taken by the Government for developing new farm technologies in agriculture sector of the country | The ICAR-IISR, Kohikode is working on Spice crops and develop new varieties, horticulture, nursery / plant multiplication technologies, crop production and plant health management, post harvest and value addition technologies in major spice crops and popularize the same through demonstrations and training programmes. |
| b) Whether the Government has taken adequate measures to promote Tissue Culture and Soil Testing in the country and if so, the details thereof | Institute has developed tissue culture protocol for all major spice crops and also transferred the technology of black pepper and ginger to other agencies for commercial production. The soil testing lab of the institute and its KVK caters to the need of District as well as the State and issues about 1250 soil health cards per year on regular basis. |
| c) The number of Soil Testing and Tissue Culture Labs in the Country, state-wise | Institute has one each of tissue culture and soil testing lab, and the KVK also has one soil testing lab. |
| d) Whether the Government is aware that there is shortage of skilled / trained manpower for the soil testing / tissue culture labs in various agriculture research institutes in various state of the Country. | Institute's tissue culture and soil testing facilities have trained manpower |
| e) If so the details through and the corrective measures taken by the Government | NA |

| | |
|--|----|
| f) Whether the Government has received proposals for setting up of new Soil Testing / Tissue Culture labs in the country and if so, the details thereof? | NA |
|--|----|

Parliament question

Shri. Ajai Verma, Under Secretary (GAC), ICAR, regarding Lok Sabha question (Diary No. 20856), by Ministry of Agriculture Cooperation and Farmers Welfare.

Reply:

| Sl. No. | Question | Answer |
|---------|--|---|
| 1. | The details of the cases of securing employment on the basis of false caste certificates came to the notice of the Ministry of Agriculture during the years 210914-15, 2016 and 217 along with action taken thereon: | NIL |
| 2. | What are the steps being taken to check the recurrence of such cases in future | Due verification of caste certificate is being done at the time of appointment. |
| 3. | During the process of verification of caste certificate at the time of promotion whether promotion of SCs / STs employee are withheld or kept in sealed cover, and | NIL |
| 4. | If so, give details thereof with legal basis like DoPT Order / Court Order of any? | NIL |