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भारतीय कृषि अनुसंधान परिषद
कृषि अनुसंधान भवन-II
पूसा, नई दिल्ली 110 012
INDIAN COUNCIL OF AGRICULTURAL RESEARCH
KRISHI ANUSANDHAN BHAVAN-II
PUSA, NEW DELHI 110 012



F. No. 4-2/2019-Hort.Sci-I

Dated: 21st November, 2019

To

**The Director
ICAR-Central Institute for Arid Horticulture,
Sri Ganganagar Highway, Beechwal,
Industrial Area P.O.,
Bikaner-334006 (Rajasthan)**

Sub: QRT in respect of CIAH, Bikaner and AICRP on Arid Zone Fruits for the period 01.04.2011 to 31.03.2017-regarding.

Sir,

I am to say that the recommendations of QRT in respect of CIAH, Bikaner and AICRP on Arid Zone Fruits for the period from 01st April, 2011 to 31st March, 2017 along with the comments of Council were placed before the 247th meeting of the Governing Body of the ICAR Society held on 28th June, 2019 at Delhi and the same have been approved.

You are, therefore, requested to take necessary action for implementation of the salient recommendations of QRT and Action Taken Report may be sent urgently to the Council. Copy of proceedings of Governing Body along with recommendation of QRT and Council's comments are enclosed.

Yours sincerely,

(W.S. Dhillon)

Assistant Director General (Hort. Sci.-II)

Encl: As above.

Secretary, QRT
Circulate & indicate name of scientist for action
21/11/19

Hort. Sci. Division, ICAR
संस्थान प्रशासन-5 अनुभाग
Instt. Admn.-V Section
डा० सं० 19/10/19
Dy. No. 19/10/19
दिनांक/Date 19/10/19

भारतीय कृषि अनुसंधान परिषद INDIAN COUNCIL OF AGRICULTURAL RESEARCH

कृषि भवन, डा० राजेंद्र प्रसाद मार्ग, नई दिल्ली 110001

टेलीफोन : 23382686 ई-मेल : mkjain.icar@nic.in, Website : www.icar.org.in

F.No. 13(1)/2019-Gov. Cell

Date: 1st October, 2019

CIRCULAR

I am to forward herewith a copy of the decision taken by the Governing Body of the Indian Council of Agricultural Research Society in its 247th meeting held in Conference Hall, ICAR Conference Facility, NASC Complex, Pusa, New Delhi on 28th June, 2019 in respect of item(s) concerned with your division.

It is requested to take immediate action as envisaged under various items and action taken report be sent to the undersigned latest by 15th October, 2019.

(M.K. Jain)
Director (Admn.)

Encl: As above.

DISTRIBUTION:

1. To all officers concerned.
2. PSO to DG, ICAR
3. Sr. PPS to Addl. Secy.(D) & Secretary, ICAR
4. Guard File

Director (Horticulture) ICAR

Dy. No. 2661

Date 4/10/19

Dy. No. 2106 US(Hort.)
दिनांक/Date 7/10/19

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ADG(HS-I) / ADG(HS-II)
Call me
4/10/19
Director(HS)

DDG (Horticulture)

- Item No. 15:** **Quinquennial Review of ICAR-Central Institute for Arid Horticulture (CIAH), Bikaner and All India Coordinated Research Project (AICRP) on Arid Zone Fruits for the period from 01.04.2011 to 31.03.2017.**

The recommendations of the QRT in respect of the ICAR-CIAH, Bikaner and AICRP on Arid Zone Fruits for the period from 01.04.2011 to 31.03.2017 were perused and noted.

{Action: DDG (Hort.)}

- Item No. 16:** **Quinquennial Review of ICAR-Directorate of Cashew Research (DCR), Puttur and All India Coordinated Research Project (AICRP) on Cashew for the period 01.04.2013 to 31.03.2018.**

The recommendations of the QRT in respect of the ICAR-DCR, Puttur and AICRP on Cashew for the period 01.04.2013 to 31.03.2018 were perused and noted.

{Action: DDG (Hort.)}

- Item No. 17:** **Quinquennial Review of ICAR-Directorate of Onion and Garlic Research (DOGR), Pune for the period 01.04.2012 to 31.03.2017.**

The recommendations of the QRT in respect of the ICAR-DOGR, Pune for the period 01.04.2012 to 31.03.2017 were perused and noted.

{Action: DDG (Hort.)}

- Item No.S-6:** **Allotment of 55.71 acres of land by Govt. of Andhra Pradesh to CPCRI Kasaragod for Establishment of ICAR-CPCRI Regional Station at Samalkota, Andhra Pradesh.**

The Governing Body considered and approved the proposal.

{Action: DDG (Hort.)}

- Item No.S-10:** **Quinquennial Review of ICAR-Indian Institute of Oil Palm Research (IIOPR), Pedavegi for the period 01.04.2011 to 31.03.2017.**

The recommendations of the QRT in respect of the ICAR-IIOPR, Pedavegi for the period 01.04.2011 to 31.03.2017 were perused and noted.

{Action: DDG (Hort.)}

- Item No.S-11:** **Quinquennial Review of ICAR-Directorate of Medicinal and Aromatic Plant Research (DMAPR), Anand and**

**ICAR-All India Coordinated Research Project on
Medicinal and Aromatic Plants and Betel Vine, Anand for
the period 01.04.2011 to 31.03.2017.**

The recommendations of the QRT in respect of the ICAR-DMAPR and AICRP on Medicinal and Aromatic Plants and Betel Vine, Anand for the period 01.04.2011 to 31.03.2017 were perused and noted.

{Action: DDG (Hort.)}

Salient Recommendations of the 4th Quinquennial Review Team (QRT) of ICAR- Central Institute for Arid Horticulture (ICAR-CIAH), Bikaner and ICAR- All India Coordinated Research Project on Arid Zone Fruits for the period 01.04.2011 to 31.03.2017.

1. Recommendation: Detailed study on selections of trait specific date palm from natural seedling population/ seedling grown plants should be undertaken.

Council's comments: Institute should take up on priority through IRC in current year.

Time Frame: 2019-2021

2. Recommendation: Quality analysis may be made regarding products from arid and semi-arid horticulture produce. The Institute should make attempt to sell the technologies to the Industries.

Council's comments: First Institute should do the quality analysis of the products developed and a report may be made in the form of a bulletin. Then Institute should commercialize the products following appropriate steps.

Time Frame: 2019-2021

3. Recommendation: Detailed study on canopy management in crops for high density plantation needs to be standardized.

Council's comments: Institute should prioritize crops and put them in a project mode for detailed and time bound study on high density planting, canopy management and new training structures.

Time Frame: 2019-2022

4. Recommendation: For enhancing shelf-life, pre-harvest hormone sprays may be attempted in crops having poor self life.

Council's comments: Institute should develop a project and then go for detailed study. Apart from hormone spray, storage conditions and smart packaging should be tried to enhance shelf life and add value to the products.

Time Frame: 2019-2021

5. Recommendation: Duplicates of germplasm should be maintained at alternate germplasm block for safety.

Council's comments: Institute should first identify duplicates and do the DNA analysis of each and every accessions. Alternate site/block should be identified in the current year.

Time Frame: 2019-2021

6. Recommendation: Farming System Research with farmers as stakeholder should be conducted.

Council's comments: Institute should take up this work on priority.

Time Frame: 2019-2023

7. Recommendation: Intellectual property: Centric technology should be developed in the fields of soil fertility/crop production/Machine designing/Pest control/storage/value chain, etc.

Council's comments: Institute should identify technologies to be developed for considering for Intellectual property. In other areas of factor-product, such initiatives may also be taken up.

Time Frame: 2019-2023

8. Recommendation: AICRP centres should be responsible for maintaining germplasm of respective crops.

Council's comments: Crops like datepalm, Jamun, pomegranate, aonla, custard apple, tamarind, ber, rambutan, fig etc., are important crops for arid and semi-arid regions need to be conserved. A report has to be prepared centrewise for record and future use.

Time Frame: 2019-2023

9. Recommendation: Since area under custard apple is increasing, therefore, a complete package of practices should be developed for normal and high density planting orchards.

Council's comments: Agreed.

Time Frame: 2019-2023

10. Recommendation: AICRP centres should collect the variability of the mandated crops and develop agro-techniques.

Council's comments: Crops like datepalm, jamun, pomegranate, aonla, custard apple, tamarind, ber, rambutan, fig etc., are important crops which need variability. Institute through AICRP should find out means to carry out this task.

Time Frame: 2019-2023

11. Recommendation: AICRP centres should develop quality planting material for arid zone fruits.

Council's comments: Institute and AICRP should take up this issue with all the centres and SAUs with which the centres are attached for speeding up the work.

Time Frame: 2019-2023

For Office Use

Report of the
IVth QUINQUENNIAL REVIEW TEAM

2011-2017



**ICAR- Central Institute for Arid Horticulture
Bikaner (Rajasthan)**



For Office Use

Report of the
Vth QUINQUENNIAL REVIEW TEAM
2011-2017



ICAR- All India Coordinated Research Project on Arid Zone Fruits
(ICAR- Central Institute for Arid Horticulture, Bikaner)