

ఆంధ్రప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

CR 264933

9926 Date: 29/12/2020 Rs: 100/-

Sold To: Sri B.V.L. Narayana S/O Gangaiah Venkataramannagudem, X-OFFICE STAMP VENDER, TADEPALLIGUDEM
For Whom: Registrar, Dr. Y.S.R Horticultural University Venkataramannagudem.

SUB-REGISTRAR

X-OFFICE STAMP VENDER
TADEPALLIGUDEM

MEMORANDUM OF UNDERSTANDING

Between

ICAR - CENTRAL AGROFORESTRY RESEARCH INSTITUTE
Gwalior Road, Jhansi 284 003 (U.P) India

And

Dr.Y.S.R. Horticultural University, Venkataramannagudem-534 101, Andhra Pradesh

This Memorandum of Understanding (MOU) is between ICAR - Central Agroforestry Research Institute (ICAR-CAFRI) an Institute of Indian Council of Agricultural Research (ICAR) represented by the Director, ICAR-CAFRI, Jhansi and represented in this MOU by the Director or its Nominee, hereinafter referred to as ICAR-CAFRI and Dr.Y.S.R. Horticultural University, Venkataramannagudem-534 101, Andhra Pradesh, India, hereinafter referred to as "YSRHU".

WHEREAS, Dr Y.S.R. Horticultural University was established by the Government of Andhra Pradesh through vide G.O.Ms.No.134 dated 26-06-2007 at Venkataramannagudem, near Tadepalligudem in West Godavari District. The University offers education, research and extension services in the field of Horticulture and allied sciences. YSRHU is focusing on increase in productivity of horticultural crops and commercialization of horticulture in the state of Andhra Pradesh. Therefore, the mandate of the university is;

- Human Resource Development through education.
- Conduct of need based research
- Dissemination of proven technologies developed through research

ICAR-Central Agroforestry Research Institute (ICAR-CAFRI), formerly the National Research Centre on Agroforestry, is a multidisciplinary premier research institute of Indian Council of Agricultural Research (ICAR) located at Gwalior Road, Jhansi, Uttar Pradesh. The Institute was established in 1988 with a mission to improve quality of life of rural people through integration of perennials on agriculture landscape for economic, environmental and social benefits. The Institute works with a vision of "Integration of woody perennials in the farming system to improve land productivity through conservation of soils, nutrients and biodiversity to augment natural resource conservation, restoration of ecological balance, alleviation of poverty and to mitigate risks of weather vagaries". The Institute is mandated to develop sustainable agroforestry practices for farms, marginal land and wastelands in different agroclimatic zones of India; Coordinate network research for identifying agroforestry technologies for inter-region; Training in agroforestry research for ecosystem analysis and Transfer of agroforestry technology in various agroclimatic zones. CAFRI has developed robust agroforestry models and package of practices for different agro-climatic conditions covering small and marginal farmers.

WHEREAS, the YSRHU and ICAR-CAFRI have mutual interest in fostering further collaboration among Indian institutes and ICAR-CAFRI and agree that there is a need to renew its MOU under which detailed work plans can be developed and implemented;

NOW THEREFORE, YSRHU and ICAR-CAFRI, inspired by their common objectives to further promote and accelerate research on agriculture and integrated farming system in the above disciplines and, have entered to this MOU under the terms and conditions set forth in the following articles:

Article I AREAS OF COLLABORATION

In order to further develop the partnership between YSRHU and ICAR-CAFRI, the two parties have agreed in principle to **(a)** collaborate in M.Sc./Ph.D. thesis research on disciplines related to horticultural sciences including that of Plant Breeding, Genetics, Soil Science, Agronomy, Biotechnology, Microbiology, Biochemistry Soil and Water Conservation Engineering, Farm Machinery and Power Engineering, Agricultural Extension, Plant Pathology, Entomology and integrated farming systems to be undertaken at CAFRI by post-graduate students who have completed their course work at YSRHU, **(b)** undertake collaborative M.Sc./Ph.D. thesis research activities in other areas of mutual interest to both YSRHU and ICAR-CAFRI, and **(c)** cooperate in other means for exchanging scientific knowledge and information, such as co-publication of thesis research;

The scale of collaboration between YSRHU and ICAR-CAFRI will be determined from time to time by joint evaluation of YSRHU's and ICAR-CAFRI's needs and interest in collaboration, capacity and implementation of the joint program.

It is understood that specific YSRHU and ICAR-CAFRI collaborative projects for implementation under this MOU will be defined in the work plan developed and approved in accordance with Article V hereof.



**Article II
RESPONSIBILITIES OF EACH PARTY**

ICAR-CAFRI:

Within the work plan agreed upon by both parties and subject to available resources and as mutually agreed upon, CAFRI will:

1. Bear the costs and expenses (related to research only) to be incurred in the conduct of the M.Sc./Ph.D. thesis research by the ICAR-CAFRI- accepted students from YSRHU;

YSRHU:

Within the work plan agreed upon by both parties and subject to personnel and budgetary limitations, YSRHU will:

1. Ensure that all joint research and/or training activities related to this MOU are properly recorded with the ICAR-CAFRI based at the ICAR-CAFRI. It is also expected that ICAR, which has been the focal contact point of ICAR-CAFRI is properly notified of the collaborative activities.

**Article III
OWNERSHIP AND PUBLICATION OF RESULTS
OF COOPERATIVE RESEARCH**

Both parties agree that:

1. Results of collaborative research will be jointly published in the public interest as mutually agreed upon;
2. Subject to execution of Material Transfer Agreements (MTAs) and biosafety rules and regulation, between materials, germplasm, etc. will be freely exchanged between YSRHU and ICAR-CAFRI vice-versa and with due recognition of the sources of the seed material either party may use materials but will give full credit to its source of origin;
3. It is also agreed that all outcomes of YSRHU and ICAR-CAFRI joint research activities including all Intellectual Property Right (IPR) shall be jointly owned by both parties. As such, they shall remain in the public domain and shall be available to ICAR-CAFRI and YSRHU.
4. Duly acknowledge the contribution made by both parties.

**Article IV
TERMS AND CONDITIONS**

1. YSRHU will nominate ICAR-CAFRI M.Sc./Ph.D. candidates who will conduct their thesis research at ICAR-CAFRI or both at ICAR-CAFRI and YSRHU to build-up their capabilities in hill-based farming systems research. The candidates shall be recommended to ICAR-CAFRI at least 3 months before they have completed their course work of YSRHU. Those students to be recommended shall be from universities and state or central agricultural research systems;
2. ICAR-CAFRI scientist will be designated as Co-Chairman/External Guide/member of scholar's Advisory Committee in consultation with Director, ICAR-CAFRI, Jhansi;
3. The student's Advisory Committee will meet in YSRHU at least once to discuss the research proposal. The ICAR-CAFRI scientist will plan to attend this meeting, if possible or meeting can be conducted in virtual mode also. The chairman of the student's advisory Committee at YSRHU can visit once to ICAR-CAFRI to review ongoing thesis research of his/her student. Travel and other expenses related to these visits will be borne by respective institutions;

4. Laboratory, Field and Library facilities available with YSRHU and ICAR-CAFRI can be shared for research work.
5. Wherever required ICAR-CAFRI shall arrange hostel/guest house accommodation for research scholars during their research work at normal rates.
6. YSRHU will confer the degree;
7. Publication of the student thesis research shall be done in concurrence with YSRHU and ICAR-CAFRI advisors and with their appropriate co-authorship. Such publications will be processed through the ICAR-CAFRI editorial board/Directorate of Experiment Station YSRHU.
8. Under this agreement, YSRHU may also nominate to ICAR-CAFRI bona-fide registered students from other Asian countries that have their own source of funds to conduct their thesis research at ICAR-CAFRI. ICAR-CAFRI will screen and accept applicants, depending on availability of accommodations and research facilities at ICAR-CAFRI and provided they meet the eligibility requirements for acceptance at ICAR-CAFRI;
9. The degree candidates will be subjected to all pertinent rules and regulations of YSRHU and as per Academic regulation of YSRHU.
10. Both parties will strive hard to get the project funding from National and International agencies on the topics/themes related to the interest of both parties and benefiting the farming community and society. The funding/grant available at disposal of either party will be preferably extended to other party within the governing rules and regulations of grant(s). The joint research proposal will be submitted by either of the parties after taking written approval of other party.
11. In case of any dispute between the two, such disputes/ differences shall be solved amicably by mutual discussions without any resource to courts. The decision of Vice-chancellor, YSRHU and Director ICAR-CAFRI, Jhansi shall be final and binding to each other in such situation and no suit/ writ will be maintainable in any court or Law, sole arbitrator.

**Article V
WORK PLAN**

This MOU will be implemented through specific collaborative work plan. The work plan specifically describes the joint activities to be carried out will be consistent with the priorities and joint research agenda identified and agreed upon at the India- ICAR-CAFRI Work Plan Meeting. The work plan may originate from either party but will require the joint approval of both parties for implementation.

**Article VI
AMENDMENTS**

The parties may, by mutual consent in writing, modify any provisions of this MOU.



Article VII
EFFECTIVITY

This MOU shall take effect on the date the last authorized representative affixes his/her signature, and shall remain valid for five (5) years unless sooner terminated when one of the parties notifies the other in writing of its intention to terminate the MOU, in which case, the MOU will terminate six months from the date of such notification. This MOU may be further renewed or extended upon mutual agreement between the parties, which shall be made not later than six months prior to the termination date;

IN WITNESS WHEREOF, the two parties here into signed this Memorandum of Understanding on the day 26th of the month June in the year 2021 by competent authorities indicated below:

For and on behalf of ICAR-CAFRI, Jhansi

For and on behalf of YSRHU,
Venkataramannagudem,


(Dr. AYYANADAR ARUNACHALAM)

निदेशक/Director
के.कृ.वा.अनु. संस्थान, झाँसी (उ०प्र०)
C.A.F.R.I., JHANSI (U.P.)

Designation: Director


(Dr. K. Gopal)

REGISTRAR
Dr. Y.S.R. HORTICULTURAL UNIVERSITY
VENKATARAMANNAGUDEM - 534 101
West Godavari District (A.P.)

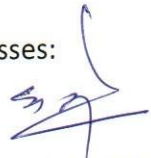
Designation: Registrar

FOR AND ON BEHALF OF THE ICAR- CENTRAL
AGROFORESTRY RESEARCH INSTITUTE

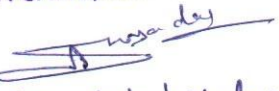
FOR AND ON BEHALF OF THE
Dr. Y.S.R.HORTICULTURE UNIVERSITY

Witnesses:

1.



Dr. INDER DEV
Principal Scientist (Agronomy)
ICAR-CAFRI, JHANSI-284003 (U.P.)

2.



(Dr. Ashok Yadav)
Scientist (Horticulture)

Witnesses:

1.


DEAN OF HORTICULTURE
Dr. Y.S.R.HORTICULTURAL UNIVERSITY
VENKATARAMANNAGUDEM - 534 101.
West Godavari District (A.P.)

2.


Director of
Industrial & International
Programmes, Dr. YSRHU
V.R. Gudem, W.G. Dist. A.P.