

TAMIL NADU AGRICULTURAL UNIVERSITY

O/o the Registrar
TNAU, Coimbatore

No. TNAU /VC-Review / AC &RI, Killikulam/No. 19-II/ 2020 dt.22.10.2020

PROCEEDINGS

Sub: TNAU-Vice-Chancellor's visit to AC&RI, Killikulam on 17.10.2020 -Proceedings issuance-reg.

Ref: This office earlier Proceedings No. 19 and 19-I dt. 12.01.2019 and 20.11.2019 respectively.

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The Vice-Chancellor, TNAU reviewed the activities of Agricultural College and Research Institute, Killikulam on 17.10.2020 wherein overall education, research, farm and other developmental activities besides office administration were reviewed. The points which require further follow up by the concerned staff are detailed:

A. Education

1. Utmost care should be given for delivering timely lectures in the online classes being conducted by the course teachers. The online classes will be monitored by Dean, AC&RI, TNAU, CBE & office of the Vice-Chancellor.
2. On line practical classes should be supported with video documents.
3. The course teachers will be evaluated for their performance by 1-9 grades at the end of each semester.
4. Services of the experienced scientists from the nearby research stations (ARS, Kovilpatti, RRS, Ambasamudram) may be utilized for handling classes.

B. Department wise review:

Department of Agronomy

1. Professor and Head (ACRC) may be contacted to work out the possibilities of reviving the AWS at AC&RI, Killikulam.
2. Explore the possibilities of establishing one acre drip fertigation model plot in rice through Ms. Jain Irrigation system.
3. Necessary action may be initiated to transfer the underutilized incubators from KVK, Vrinjipuram and/or KVK, Tindivanam for enhancing the number of poultry birds at AC&RI, Killikulam.
4. Possibilities of converting one unutilized building of AC&RI, Killikulam as seed godown may be worked out.
5. Increasing the area under irrigated fodder production with approved rain hose from WTC for continued fodder supply to maintain the milch animals of the farm is the need.
6. Newly transferred Assistant Professors may send proposals for operating URP.
7. Scientist in charge of TNIAMP Lower Tamiraparani basin (Dr. Sampath Kumar, AP (Agron.) should complete the precision farming target **before 31st December 2020.**

8. Popularization of coconut tonic may be taken up.
9. Proposals to erect solar motor pumpset in the bore well commissioned by Central Ground Water Board, Chennai to irrigate the fields near NADP building be sent to the University.
10. Number of Vembur sheep may be increased from the existing parent stock in the farm.
11. Attempts may be made to prepare selected video lessons pertaining to the practicals of various courses of the ongoing semester in coordination with Dean, AC&RI, Coimbatore so that all the courses are video covered.
12. Cattle shed renovation, threshing floor renovation and other civil works withheld during 2019-20 under FMC after obtaining USO may be resubmitted for consideration during current year.
13. Poultry unit should be strengthened with aseel breed and opportunities for establishing layer unit should be ascertained.
14. Proposals may be sent for engaging two watchmen capable of riding on two wheeler all-round the farm at AC&RI, Killikulam both during day and night shifts.
15. The milk production and productivity are to be increased substantially.

Department of Plant Breeding

1. Proposal should be submitted to the Director of Research for releasing the mutant White Ponni rice culture as an alternate to traditional White Ponni in consultation with Director, CPBG and Professor & Head, Department of Rice, TNAU, Coimbatore.
2. Foundation seed production in mandate crops can be revived utilizing seed technologist to improve the quality of seed production. Besides, emphasis may be laid to promote the recently released varieties from AC&RI, Killikulam among the farmers.
3. Bajra Napier KKM1 production may be intensified to sustain the feeding of farm animals of the institute besides supply of quality slips to the farmers of Tuticorin and Tirunelveli district. The Bajra Napier hybrid released from this Institute had far reaching implications and the research in this direction is to be strengthened.
4. Suitable medium duration rice variety may be developed to replace TPS3 / ASD 16.

Department of Horticulture

1. Semi-arid fruit crops should be planted immediately on the receipt of North East monsoon. The pits may be filled up with tank soil before planting.
2. Information about the availability of Palmyrah seedlings may be sent to all TNAU stations and campuses for facilitating planting.
3. In Coconut garden, good combiners *viz.*, West Coast Tall, Tiptur Tall should be planted. At least five varieties should be planted @ 7.5x7.5m. Tank silt should be filled in the pits before taking up the planting. Follow up should be made to procure Tiptur tall seedlings from Arsikere, Karnataka.
4. In future, Palmyrah fruits are to be sown in raised beds filled with sand + coir dust for easy removing.

5. Random pits may be taken up in the entire designated area for coconut and quality of soil (free from calcareous/ rock materials) may be ascertained.
6. Dwarf type coconut varieties (especially MYD, MOD, GBGD and KTD) should be planted separately maintaining the isolation.
7. Biochemical analyses of endosperm of non-germinated seeds of Palmyrah should be done.
8. Lab technician available with the Department should be deputed for bio-inoculants production in bio-inoculants laboratory.
9. The existing high density mango mother block should be converted into a commercial orchard for fruit production.
10. Area under pandhal vegetables should be increased for both academic and seed production purposes.
11. The coconut garden and semi arid zone fruit crop's orchard to be established in the college farm should be taken care of by the Department of Horticulture after planting.

Department of Agricultural Entomology

1. Research projects on maize fall armyworm and coconut rugose spiralling whitefly should be conducted without any deviation as per the time frame.
2. Pheromone research and commercialization of indigenous pheromones for crop pests should be initiated. Dr. G. Ravi, Professor of Entomology should submit a suitable proposal for commercial production and sale of pheromone lures.
3. Dr.G.Ravi, and Dr. G.Preetha, the identified course teachers for video shooting of practical for the course AEN 201 Fundamentals of Entomology (2+1) should complete the same in time. The Dean, AC&RI, TNAU, CBE may be contacted for the video shooting.
4. Biocontrol agents (Parasitoids, predators *etc.*) production should be increased substantially.

Department of Plant Pathology

1. Detailed proposal should be submitted for sustainable running of the bio-inoculants laboratory.
2. Upscaling of biocontrol agent's production in the existing VCS should be done and income should be generated.
3. The availability of the bioinoculants should be informed to the line departments to increase the sale.
4. The scientists should be allotted for monitoring the disease outbreak and to support the Department officials in managing the crop diseases.

Department of Soil Science

1. Water soluble fertilizers production unit should be run / operated. Suitable proposal and modalities for PPP mode should be submitted in consultation with Director, NRM, TNAU, Coimbatore.

2. Soil analysis should be done block wise in the area earmarked for the establishment of coconut garden. Physical, Chemical and Microbial aspects should be completed and report should be submitted to the Dean, AC&RI, Killikulam with a copy marked to the TPO to the Vice-Chancellor by **15th November 2020**.
3. Construction of bio-gas plant should be initiated immediately. Professor and Head, Department of Bioenergy, AEC&RI, Coimbatore should be contacted to start the construction of biogas plant.

Department of Social Sciences

1. Each scientist should have atleast one University Research Project.
2. Professor (Extension) should be involved in Teaching and other college developmental activities.
3. Language skill development programme may be organized to UG & PG students through online mode.
4. Exhibition hall should be made available to students, farmers, visitors and stake holders and also its modernization has to be initiated.

Special Officer (WLFD) & Professor (Agron.)

1. The number of gates should be fixed in the proposed solar fence based on the cutting points of the existing farm roads and boundaries in the new area of the AC&RI, Killikulam farm.
2. Proposal along with budget be submitted to lift tank silt from Killikulam pond to refill the pits opened for coconut seed garden duly following the University norms.
3. The base of the entire outer fence of the new area needs to be strengthened with collected stones to prevent the entry of wild animals once in a month.
4. Maruti Gypsy vehicle (TN 31 M 0151) provided to the Special Officer (WLFD) should be repaired from the Authorized Maruti dealer, Tirunelveli duly following the University norms.
5. Convincing dialogues could be made with private land owners possessing land near the southern end of AC&RI, Killikulam new area farm for negotiating with them for donating the land / purchase / exchange of the land for another area near the fence following Government guidelines.

Estate unit

1. The total length of the outer most unfenced portions in the new area farm should be measured and necessary fencing materials (Chain link, angles / pillars) can be procured departmentally and fencing be executed Departmentally as per the University norms to save the cost and time.
2. Fencing work in eastern boundary may be executed from the work savings in Lilly pond and farm service centre works (NADP) by following the University norms.
3. Entrance gate with arch may be provided perpendicular to the NH Road Tirunelveli to Thoothukudi and also based on the street light location.

4. Rough cost estimate for the construction of lecture hall and laboratories in first floor and second floor over Cafeteria building has to be prepared and submitted.
5. Solar fence estimate for the remaining left out length has to be prepared and submitted.
6. In cafeteria building stone, pathway may be provided in the OTS portion.
7. Power supply cable has to be provided for Palmyrah shade net house.
8. In Cafeteria building, solar panel has to be provided over the roof top from the savings amount in Lecture hall and laboratories work.
9. Anti skid tiles for the rest room area in VC camp office has to be provided.
10. Servicing platform with stainless steel top for both girls and boys may be provided in modernized kitchen cum dining hall from the savings amount.
11. Chain link fencing with gate in the western side of the ladies dining hall has to be provided considering the safety.
12. Rough cost estimate and proposal for the construction of Boys and ladies hostel room over the modernized kitchen cum dining hall may be prepared.
13. Writing platform with locking facility may be provided in the new ladies hostel (FF and SF).
14. Grill arrangements may be provided in corridor wall of new ladies hostel (FF and SF).
15. Rough cost estimate for the alteration work in Hostel to be prepared (Girls and Boys hostel).
16. **Thamirabharani river project**
 - a) It has to be perused vigorously to get functioned before **15th November 2020**
 - b) The following temporary posts on consolidated wages may be proposed to the University for pump operation purposes
 - o Electrician cum Pump operator with 'B' grade license – 2 Nos.
17. **Indoor Stadium**
 - Gallery has to be provided without cantilever passage provisions.
 - Steam bathroom provisions has to be provided.
 - Guestroom (in first floor) in the rear side of Indoor stadium has to be constructed within the allotted amount for use as Teachers Hostel.
 - Rainwater harvesting must be provided in the Indoor stadium.
 - Water drainage facilities has to be provided in northern side of the Indoor stadium.
 - Repair and renovation works have to be carried out in the existing stadium from the savings amount.
 - VIP stage has to be provided in the Indoor stadium.
18. Necessary electrical provisions should be made in all rooms of new hostels for Laptops / Desktop computers.

Hostels

1. Suitable seating arrangements should be done in waiting room of the modern dining hall.
2. The possibility of converting boys hostel into girls hostel be explored and necessary proposal may be submitted.
3. Washing machine and chappal stand should be installed in all hostels.
4. Partition or provision of food display table should be made between kitchen and dining halls on both sides in newly constructed modernized kitchen cum dining hall in order to prevent students from entering the kitchen.
5. Table for coffee / water may be provided in the all corners of kitchen.
6. In the newly constructed hostel rooms, provisions may be made with 'granite slab as table top' to save the purchase of tables.

Office (Non- teaching) Staff

1. Necessary steps have to be taken for dropping the long pending audit paras and the senior most official be made responsible for dropping the audit objections.
2. Register of Registers should be maintained in the Dean's office for all Departments and units and same should be updated time to time.
3. Timely deposition of GST, IT and EPF should be done in time and deviations, if any, will invite action against the erring staff.
4. Bills need to be settled immediately without being kept unsettled for a longer period of time. The expenditure register should be updated time to time.
5. Acknowledgements for the payments must be received and properly documented in order to prevent audit objection at a later date.
6. Physical verification and condemnation of articles should be done periodically.
7. Essential entries in the Service Registers have to be made periodically and got signed.

Action taken may be reported regularly.

(By order of the Vice-Chancellor)


Registrar 22/10/2020

To

The Dean, AC & RI, Killikulam

CC: Professor and Head, ARS, Kovilpatti / RRS, Ambasamudram /Dept. of Bioenergy/Dept. of Rice/ Programme Co-ordinators KVK Tindivanam / KVK, Virinjipuram / Director (CPBG) / Director(NRM)/ DEE/ Director (WTC) / Dean, AC & RI / Dean, AEC &RI / Director of Research / The Estate Officer, TNAU, CBE
TPO to VC for necessary follow up