



## ABSTRACT

Agriculture and Farmers Welfare – Tamil Nadu Agricultural University – Announcement made by the Hon'ble Minister for Agriculture and Farmers Welfare during the Agriculture and Farmers Welfare Department Demand 2021 – 2022 - **“Developing infrastructure facilities to increase the capacity of Seed Production in Tamil Nadu Agricultural University”** at a cost of Rs.1.00 crore under the Finance Management Committee Funds of Tamil Nadu Agricultural University – Approval – Accorded - Orders – Issued.

### AGRICULTURE AND FARMERS WELFARE (AU) DEPARTMENT

G.O.(Ms) No.162

Dated:26.10.2021

திருவள்ளூர் ஆண்டு, 2022  
பிசைவாறு ம், ஐப்பசி 9

Read:

From the Vice Chancellor, Tamil Nadu Agricultural University, letter No. TNAU-Honorable Minister's Announcements-2021 Sl.No.21, dated: 09.10.2021.

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### ORDER:

During the Agriculture and Farmers Welfare Department Demand 2021-2022, the Hon'ble Minister for Agriculture and Farmers Welfare has made the following announcement on the Floor of the Assembly:-

“21. தமிழ்நாடு வேளாண்மைப் பல்கலைக் கழகத்தின் விதை உற்பத்தித் திறனை அதிகரிக்க உட்கட்டமைப்பு வசதிகள் ஒரு கோடி ரூபாய் செலவில் மேம்படுத்தப்படும்”

2. The Vice Chancellor, Tamil Nadu Agricultural University in his letter read above sent a proposal to the Government for **“Developing infrastructure facilities to increase the capacity of Seed Production in Tamil Nadu Agricultural University”** at a cost of Rs.1.00 crore under the Finance Management Committee Funds of Tamil Nadu Agricultural University.

3. In his proposal, the Vice Chancellor, Tamil Nadu Agricultural University has stated that the quality seed is the most critical and basic

input for agricultural output and accounts for 15-20 percent of yield increase. However, lack of availability of quality seeds continues to be one of the foremost impediments to bridge the vast yield gap. Even with the ideal conditions of soil, water and climate, the maximum crop yield and quality cannot be obtained if the seeds are of inferior quality. Low quality seeds compromise proper plant stand, influencing directly on the productivity of the crop. In the situations where plant population is below the recommended levels for cultivation, replanting will be necessary and such procedure is associated with the increased cost of production due to cultivating expenses, loss of the best sowing period and risk of production overlapping in the area. All these factors contribute to low productivity. Therefore, production and distribution of quality seeds is essential to achieve the potentially realizable yield of a cultivar.

4. The Vice Chancellor, Tamil Nadu Agricultural University has further stated that the Tamil Nadu Agricultural University is producing seeds in agricultural and horticultural crop varieties which are ruling the seed supply chain to cater to the needs of the farming community, seed producers and Department of Agriculture, Tamil Nadu. To meet the demand of the seed growers, farmers and private seed industry, a total quantity of 16,845 quintal of seeds were produced and supplied during 2020-2021. The Agricultural Research Stations located at Bhavanisagar and Vaigaidam are mainly considered as primary seed production centres of Tamil Nadu Agricultural University. These seed production centres have the farm area of about 200 hectares and annually, about 2,000 quintal of seeds in agricultural and horticultural crops are being produced and distributed to the farmers of Tamil Nadu and other States. These centres are vested with all the natural resources like well suited soil series, soil fertility, well connected roads with neighbouring towns and scientific man power for quality seed production. In order to increase the seed production efficiency in these stations, infrastructure facilities are essentially required to produce the quality seeds.

5. The Justification / Rationale of the Project are as follows:-

The supply of quality seed to the farmers is one of the foremost important factors to increase the farm income and to replace the older varieties with new improved ones. The quality seed production can be achieved through improved cultivation practices, post harvest handling and storage of seeds. In order to increase the quality of the seed in the seed production centres viz., Agricultural Research Stations at Bhavanisagar and Vaigaidam, the strengthening of infrastructure facilities are essentially required. Farm fencing, adequate irrigation facilities, threshing cum drying yard, seed processing machineries, seed storage godown etc., are some of the infrastructure facilities that need to be improved in these seed production centres for further improvement in the seed production efficiency.

6. In this regard, the following infrastructure facilities are essentially needed to increase the seed production efficiency of the centres:-

**A) Agricultural Research Station, Bhavanisagar**

**i) Solar fencing for seed production field in Pungar Block**

The Pungar Block of Agricultural Research Station, Bhavanisagar is one of the important areas for the seed production programme. However, this block is not sufficiently protected with farm fencing which leads to seed crop damage by animals. Therefore, providing solar fencing around this seed production area will protect the seed crop from the damages caused by the local and wild animals.

**ii) 3 Phase power supply for 20 HP electric motor in T block**

Provision of adequate irrigation facilities for the seeds production fields is very much essential to harvest quality seeds. Therefore, providing 3 phase power supply for 20 HP motor is required to pump out the water for irrigating the seed production fields.

**iii) Renovation of canal pump room of T block and protection of motor with chain link fencing**

Canal pump room erected in the T block is damaged heavily and needs to be rectified. Therefore, renovation of this pump room and providing chain link fencing is essentially required to protect the motor and its accessories from the external weather factors.

**iv) Drip irrigation facilities**

Drip irrigation facilities are needed to reduce the quantum of water usage in garden land situation and therefore, it is proposed.

**v) Machinery maintenance**

Regular maintenance of machinery available in the seed farm is very important to carry out the farm operations in time.

**vi) Renovation, widening and up-gradation of the existing threshing floors**

The threshing floor and drying yard are necessary to thresh the harvested produce and dry them with adequate moisture. Therefore, renovation of threshing floor is required to carry out the post harvest operations and to avoid admixture of varieties.

## **(B) Agricultural Research Station, Vaigaidam**

### **i). Establishment of seed processing complex**

The heterogeneity in the seed lot occurs when the seed crop is exposed to various environmental factors. Therefore, processing of such seeds is necessary to obtain the homogeneous lot and to improve the quality of the seeds. The seed processing complex comprising of the seed processing machines, moisture meter, weighing balance, dunnage, etc. are essentially required to improve the quality of the seed.

### **ii). Establishment of seed storage godown**

Adequate seed storage facilities are essential in any seed production farm to store the harvested as well as processed seeds. It is essential to store the unprocessed and processed seeds separately and also to store the seeds of different varieties at different places. In this regard, the seed production centre located at Agricultural Research Station, Vaigaidam is lacking adequate facilities which causes difficulties during storage of seeds. Therefore, establishment of a seed storage godown is essential for this seed production centre.

7. Therefore, the current project has been formulated to develop the infrastructure facilities in these seed production centres with the following objectives:-

- To develop infrastructure facilities for quality seed production.
- To increase the seed production efficiency in Tamil Nadu Agricultural University.

8. The duration of the project is one year (2021-2022) and the activities covered in this project are as follows:-

- infrastructure facilities viz., farm fencing, irrigation facilities, threshing floor, seed processing machineries, seed storage godown, etc. will be established at Agricultural Research Stations, Bhavanisagar and Vaigaidam. Because of these activities, the seed production efficiency of the seed production centres will be increased and quality seeds will be produced and distributed to the farmers every year.

9. The beneficiaries are as follows:-

The production and supply of quality seed is the foremost important factor to increase the farm revenue and income of the farmers. Therefore, the quality seed supply will ultimately be beneficial to the farmers, seed producers and Department of Agriculture.

## 10. Item-wise details of the scheme:-

- Development of infrastructure facilities for seed production at Agricultural Research Station, Bhavanisagar.
- Development of infrastructure facilities for seed production at Agricultural Research Station, Vaigaidam.

## 11. The budget requirement for the project is as follows:-

<b>S. No.</b>	<b>Infrastructure facilities required</b>	<b>Budget (Rupees in lakh)</b>
<b>I.</b>	<b>Agricultural Research Station, Bhavanisagar</b>	
1.	Solar fencing for seed production field in Pungar Block	33.50
2.	3 Phase power supply for 20 HP electric motor in T block	6.00
3.	Renovation of canal pump room of T block and protection of motor with chain link fencing	1.00
4.	Drip irrigation facilities	1.00
5.	Machinery maintenance	1.50
6.	Renovation, widening and up-gradation of the existing threshing floors	7.00
	<b>Total</b>	<b>50.00</b>
<b>II.</b>	<b>Agricultural Research Station, Vaigaidam</b>	
	Establishment of seed processing complex and seed storage godown	50.00
	<b>Total</b>	<b>50.00</b>
	<b>Grand Total (I + II)</b>	<b>100.00</b>

## 12. The Outcome of the project is as follows:-

- The infrastructure facilities in seed production centres will be developed.
- The seed production efficiency in Tamil Nadu Agricultural University will be improved to meet the seed demand of Tamil Nadu.

13. After careful examination and considering the outcome of proposed project on its implementation, the Government accord approval

to the Vice Chancellor, Tamil Nadu Agricultural University for **“Developing infrastructure facilities to increase the capacity of Seed Production in Tamil Nadu Agricultural University”** at a cost of Rs.1.00 crore (Rupees One Crore only) as detailed below under the Finance Management Committee Funds of Tamil Nadu Agricultural University:-

<b>S. No.</b>	<b>Infrastructure facilities</b>	<b>Amount (Rupees in lakh)</b>
<b>I.</b>	<b>Agricultural Research Station, Bhavanisagar</b>	
1.	Solar fencing for seed production field in Pungar Block	33.50
2.	3 Phase power supply for 20 HP electric motor in T block	6.00
3.	Renovation of canal pump room of T block and protection of motor with chain link fencing	1.00
4.	Drip irrigation facilities	1.00
5.	Machinery maintenance	1.50
6.	Renovation, widening and up-gradation of the existing threshing floors	7.00
	<b>Total</b>	<b>50.00</b>
<b>II.</b>	<b>Agricultural Research Station, Vaigaidam</b>	
1.	Establishment of seed processing complex and seed storage godown	50.00
	<b>Total</b>	<b>50.00</b>
	<b>Grand Total (I + II)</b>	<b>100.00</b>

14. This order issues with the concurrence of Finance Department vide its U.O.No.45818/Agri.&FW/2021, dated: 23.10.2021.

**(BY ORDER OF THE GOVERNOR)**

**C. SAMAYAMOORTHY**  
**AGRICULTURAL PRODUCTION COMMISSIONER**  
**AND SECRETARY TO GOVERNMENT**

To  
 The Vice Chancellor, Tamil Nadu Agricultural University, Coimbatore – 3.  
 The Director of Local Fund Audit, Chennai – 108.  
 The Deputy Director of Local Fund Audit, Coimbatore.  
 The Principal Accountant General (A&E / Audit / AAD / G&SSA / E&RSA),  
 Chennai-18.

The Resident Audit Officer, Office of the Principal Accountant General  
(Social Sector Audit), Chennai-9.

Copy to:-

The Special Personal Assistant to the Hon'ble Minister for Agriculture and  
Farmers Welfare, Secretariat, Chennai-9.

The Senior Private Secretary to the Agricultural Production Commissioner  
and Secretary to Government, Agriculture and Farmers Welfare  
Department, Chennai-9.

The Assistant Programmer, Agriculture and Farmers Welfare Department,  
Chennai -9

The Finance (Agriculture and Farmers Welfare) Department, Chennai-9.

The Agriculture and Farmers Welfare (OP3) Department, Chennai -9.

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C.No.20012/AU/2021

**//FORWARDED/BY ORDER//**

25. 5/11/2021  
27/11/2021  
SECTION OFFICER  
27/11/2021

