

‘Developing moisture stress (drought) and salinity tolerant sugarcane genotypes for Maharashtra

*Implementation for the period 2023-24 to 2025-26*



**MAHATMA PHULE KRISHI VIDYAPEETH**  
**RAHURI, DISTRICT : AHMEDNAGAR**  
**(MAHARASHTRA)**

Univ. Reso.No.MTG-3(725)/ 208/of 2023,  
Read:-

Date : 06/07/2023.

1. Government Resolution issued by Agril. Deptt., Govt. of Maharashtra vide GR No. मफुवि १४२२/प्र.क्र.२५३/७-अ दिनांक ३१/०३/२०२३

Sugarcane is the major cash crop responsible for sugar production in India. Sugarcane industry provides employment to approximately 50 lakh sugarcane farmers, four lakh skilled and unskilled workers. Ethanol production from sugarcane is equally important along with sugar production. Therefore, it has become crucial to increase sugarcane production from available land and water resources. The climate in Maharashtra is highly suitable for sugarcane cultivation. However, due to fluctuating monsoon patterns, global climate change, and other factors, water scarcity affects sugarcane farming from March to May, leading to a decline in sugarcane and sugar production. Hence, it is needed to identify new sugarcane genotypes with soil moisture stress tolerance. According to the reports of the Central Soil Salinity Research Institute, Karnal, Haryana, approximately 1.27 lakh hectares of land in Maharashtra have been affected by salinity. Sugarcane genotypes with salinity tolerance needed to be screened. The main objective of the project is to evaluate sugarcane genotypes against soil moisture (drought) tolerance and salinity tolerance.

After deliberations and presentation before Principal Secretary, Ministry of Agriculture and Minister of Agriculture, Government of Maharashtra, the thirteen research project proposals has been approved. The research project proposal “Developing moisture stress (drought) and salinity tolerant sugarcane genotypes for Maharashtra” is one of the projects approved by the Government of Maharashtra.

The Government of Maharashtra sanctioned an amount of Rs.1, 29, 50,000/- (Rs. One crore twenty nine lakh fifty thousand only) for implementation of the project entitled “Developing moisture stress (drought) and salinity tolerant sugarcane genotypes for Maharashtra” under Central Sugarcane Research Station, Padegaon, Tal- Phaltan, Dist-Satara for the period of three years *w.e.f.* 2023-24 to 2025-26.

**RESOLUTION:**

On approval accorded by the government of Maharashtra vide GR under reference at Sr. No.1, the Hon. Vice-Chancellor is pleased to accord sanction in anticipation of the approval of the Executive Council for implementation of project entitled “Developing moisture stress

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(drought) and salinity tolerant sugarcane genotypes for Maharashtra” under Mahatma Phule Krishi Vidyapeeth, Rahuri at Central Sugarcane Research Station, Padegaon, Tal. Phaltan, Dist. Satara for the period of three years *w.e.f.* 2023-24 to 2025-26 at a total cost not exceeding Rs. 1,29,50,000/- (Rs. One crore twenty nine lakh fifty thousand only)

The terms and conditions prescribed by funding agency be followed scrupulously. The headwise allocation of funds is shown in **Annexure A**.

The Sugarcane Physiologist, Central Sugarcane Research Station, Padegaon, Tal. Phaltan, Dist. Satara (MPKV, Rahuri) shall act as Principal Investigator of this project and Soil Physicist, CSRS, Padegaon, Sugarcane Breeder (AICRP), CSRS, Padegaon and Senior Research Assistant (Soil Science), CSRS, Padegaon shall act as Co- Principal Investigator of this project. The technical and financial control and Drawing and Disbursing officer of the project shall rest with Sugarcane specialist, CSRS, Padegaon and Administrative control of the project shall rest with Director of Research, MPKV, Rahuri. The overall control of the project shall rest with Sugarcane specialist, CSRS, Padegaon.

Hon.Vice-Chancellor is further pleased to accord permission for filling up temporary posts (one) of skilled helper on consolidated pay as prescribes under guidelines of the project and by following due procedure. This university will have no liability whatsoever towards temporary posts engaged in this project.

This resolution is issued in concurrence of the Comptroller vide his un-official reference No. Cr.457 VC, dated- 14 /06/2023.

*Sd/-*  
**Registrar,**  
**MPKV, Rahuri**

**F.w.cs for information and necessary action to:**

1. The Secretary to Government, Agri., AHD & Fish. Department, Mantralaya Mumbai-32
2. Member Secretary, MCAER, 132/B, Bhamburda, Bhosalenagar, Pune -7.
3. The Director of Research/Instructions/Extn Education, MPKV, Rahuri
4. The Dean, Faculty of Agriculture, MPKV, Rahuri
5. Associate Deans (All).
6. Nodal Officer, MPKV, Rahuri.
7. The Associate Director of Research, MPKV, Rahuri.
8. Heads of Departments (All).
9. The Comptroller/ The Planning officer, MPKV, Rahuri
10. The Deputy Registrar (admn), MPKV, Rahuri.
11. The Assistant Comptroller (II/III/IV),
12. Pay and Account officer, RCSM, college of Agriculture, Kolhapur
13. The PA to Hon. Vice-Chancellor, MPKV, Rahuri

*Aspadi*  
**Deputy Registrar (admn),**  
**MPKV, Rahuri.**

### Annexure A

Headwise allocation of funds for “Developing moisture stress (drought) and salinity tolerant sugarcane genotypes for Maharashtra”

#### Financial layout of proposed budget-

Sr. No.	Particulars	2023-24	2024-25	2025-26	Approx. Cost Rs. in Lakh
A	<b>Skilled helper (1)</b> Rs. 12000/-per month	1.44	1.44	1.44	<b>4.32</b>
B	<b>Instruments:</b> Chlorophyll Meter (SPAD), Root Analyzer and Scanner, Leaf Area Meter, Distillation unit, Centrifuge machine with temperature control (Eppendorf -table top), Water potential meter, Sugarcane crusher (Laboratory), Digital Spectronic 20, pH meter, E. C. Meter, Double distillation unit, Vacuum pump, Centrifuge machine with controller, Magnetic stirrer, Atomic Absorption Spectrophotometer, Water bath (quantity required of each item 1), Hot Air Oven-quantity 2 No.	62.18	--	--	<b>62.18</b>
C	<b>Research facilities</b> (Automatic Rainout Shelter) (1)	63.00	--	--	<b>63.00</b>
				<b>Total</b>	<b>129.50</b>

*Aspadi*  
**Deputy Registrar (Admn.)**  
**MPKV, Rahuri.**

