

**DIRECTORATE OF TECHNICAL EDUCATION
THIRUVANANTHAPURAM**

No.L5/30101984/2026/DTE

Dated: 15-10-2026

CIRCULAR

Sub: - Higher Education - Technical – Assessment of Land Availability and Feasibility for Installation of Solar Power Plants and Battery Energy Storage Systems (BESS) in Technical Institutions under DTE – Reg.

Ref:- Budget 2027-28 discussion with Principal Secretary, Higher Education Department on 28-09-2026

The Directorate of Technical Education is exploring the implementation of Solar Power Plants and Battery Energy Storage Systems (BESS) or Battery Energy Storage Systems (BESS) alone across all institutions under DTE (Government Engineering Colleges, Polytechnic Colleges, Technical High Schools, College of Fine Arts, RDTE offices under DTE) to help mitigate the power crisis in Kerala and promote green renewable energy solutions.

In order to assess the total potential capacity across all technical institutions, all Heads of Institutions (Principals / Superintendents) are hereby directed to nominate nodal officer and verify land availability on their respective campuses and submit the required data through the official data collection.

Google Sheet - https://docs.google.com/spreadsheets/d/19R2WjQJ7aPAFZQ16fN_Ue1lwTE5gYl8VyRc3_1i8TyY/edit?usp=sharing

Key Assessment Guidelines

Technology / System	Land Requirement Ratio
Solar Power Plant	Approximately 3 Acres of land / roof top per 1000 kWp capacity
Battery Energy Storage System (BESS)	Approximately 25 cents of isolated land, preferably with road access, space per 1 MWh capacity

Institutions shall also report feasibility of Solar PV / BESS for implementation

All Heads of Institutions are requested to complete the data entry in the online data collection sheet within 23/10/2026 3PM on receipt of this circular.

Digitally signed by
Jayaprakash P
Date: 15-10-2026
14:53:21

Dr JAYAPRAKASH P

DIRECTOR

To,

1. Head of all Institutions under DTE (through DTE Website)
2. CA to Principal Secretary/ DTE/SJD ECS/PS
3. OC
4. SF.