



**അനേർട്ട്**  
**ANERT**

**Agency for New and renewable Energy Research and Technology**

നവീനവും പുനരപയോഗയോഗ്യവുമായ ഊർജ്ജ ഗവേഷണങ്ങൾക്കും സാങ്കേതിക വിദ്യകൾക്കുമുള്ള ഏജൻസി  
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File No. ANERT-RD/10/2024-T8

**03-02-2025**

**NOTE**

Sub: SRI 2023-24 - Rank list of proposals recommended for Financial Assistance

Ref: Guidelines of the programme Supporting R&D and Innovation (SRI)-2023-24

On the basis of the evaluation process conducted by ANERT, a rank list of 12 proposals in the order of merit has been prepared as given in Annexure 1. The inclusion of proposals in the rank list is purely provisional and any proposal can get rejected if found to be not meeting the guidelines of the programme at a later stage. The proposals for financial assistance will be selected in the order they appear in the rank list and as the fund available for the programme is limited, mere inclusion of the proposal in this rank list does not guarantee the financial assistance from ANERT.

Individual communications seeking clarifications/further details will be issued for finalising the budget and other details of each project. After receipt of all the required details, Approval Order will be released only for those proposals finally selected for financial assistance.

Signed by

Narendra Nath Veluri

Date: 03-02-2025 14:27:48

**CHIEF EXECUTIVE OFFICER**

## Annexure 1

## Rank list of proposals recommended for Financial Assistance under SRI 2023-24

Rank	Proposal ID	Title of the Project	Applicant Institution	Name of the PI	Remarks
1	SRI 05/ 2023-24	Design and Development of Weight Optimized Hydrogen Storage Device Embedded with Metal Hydride-Polymer Composite	Sree Chithira Thirunal College of Engineering, Pappanamcode, Thiruvananthapuram	Dr. Mohan G	Recommended
2	SRI 16/ 2023-24	Tuning the magnetic anisotropy of Fe <sub>3</sub> Sn Heusler alloy for heat energy harvesting application	School of Nano Science and Nano Technology, MG University, Kottayam	Dr. Chitra Lekha C S	Recommended with Revision
3	SRI 09/ 2023-24	Photoelectrochemical hydrogen production and self driven PEC device (Solar cell-PEC coupled)	Sree Sankara College, Kalady, Ernakulam	Dr. Vivek Ramakrishnan	Recommended
4	SRI 19/ 2023-24	Design and Development of V <sub>2</sub> C Mxene/SrVO <sub>3</sub> Composite Cathode Material for High Energy Fast Charging Zinc Ion Hybrid Super Capacitor for Electric Vehicle Application	National Institute of Technology Calicut, Kozhikode	Dr. P Mohammed Shafi	Recommended
5	SRI 10/ 2023-24	Investigation of improving the efficiency of biomaterial based hybrid piezoelectric triboelectric nanogenerator for low wind energy harvesting	College of Engineering, Trivandrum, Sreekaryam, Thiruvananthapuram	Dr. Rani S	Recommended
6	SRI 17/ 2023-24	Design and Fabrication of Efficient Polymer Solar Cells Using Modified PEDOT:PSS as Hole Transport Layer	National Institute of Technology Calicut, Kozhikode	Dr. Suchand Sangeeth	Recommended
7	SRI 22/ 2023-24	Asymmetric Supercapacitors with Eco-Friendly-Derived Graphene based Hybrid Electrode Materials for Electric/Electronic Devices	University of Calicut, Calicut University PO, Malappuram	Dr. Binitha N N	Recommended with Revision
8	SRI 13/ 2023-24	Development and Field Testing of an Intelligent Solar Hybrid Adsorption Cooling and Desalination System (i-ACDS) Integrating an Energy Storage Unit Effective for Kerala Climate Conditions	TKM College of Engineering Kollam	Dr. Baiju V	Recommended
		Polymer Assisted Growth			

9	SRI 02/2023-24	of Perovskite Materials: Advancing Green Technologies and Sustainable Energy Applications through Structural, Electronic and Catalyst Methods	Baselius College, Kottayam	Dr. Aparna Thankappan	Recommended
10	SRI 20/2023-24	Exploring the Energy Recovery Potential of the Sewage sludge generated at 107 MLD Sewage Treatment Plant in Tropical Climate	National Institute of Technology Calicut, Kozhikode	Dr. Arun P	Recommended
11	SRI 14/2023-24	Development and Optimisation of Technologies for Enhanced and Sustainable in-situ Biodiesel Production from Oleaginous Microbes	School of Biosciences, MG University, Kottayam	Dr. Radhakrishnan E K	Recommended with Revision
12	SRI 04/2023-24	Design and Development of Vertical Axis Wind Turbine for Domestic Applications	St. Thomas College of Engineering & Technology, Chengannur, Alappuzha	Dr. Vipin Gopan	Recommended

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