



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)

Approved by AICTE, NEW DELHI. Affiliated to JNTUK, KAKINADA

(Accredited by NAAC with "A" Grade and NBA [(ASE, CE, CSE, IT, ECE, EEE & ME) under Tier-I])

An ISO 21001: 2018, 14001:2015, 50001: 2018 Certified Institution

MYLAVARAM-521230, NTR Dist, A.P., Tel: 08659-222933, 934, 223936 Fax: 08659-222931

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Sanction Order

File No.: LBRCE/R&D/2024-25/Seed/01

Date: 01-11-2024

To

Mr. A.V. RAVIKUMAR (PI),

Sr. Assistant Professor,

Dept. of EEE

LBRCE, Mylavaram

Sub.: Financial Sanction of **Rs. 1,95,000/-** towards Seed Money for Project Proposal-Reg.

Ref.: Call for Research Proposals under Seed Money Scheme dated 01-07--2024.

1. Based on the recommendations of expert evaluation committee, I am pleased to inform you that your project proposal for seed money assistance has been recommended and sanctioned an amount of **Rs. 1,95,000/- (Rupees One Lakh Ninety-Five Thousand only)** for the project titled **"DC-DC Converter for Microgrid and EV Applications using Deep Reinforcement Learning"** for the period of one year. You are required to carry out the project along with your mentor. You need to submit the **Progress Report** for every three months.

1. The following budget is sanctioned to the PI.

S.No.	Item	Particulars	Amount (Rs.)
i.	Equipment (Make, Model)	Power supply, LC Filter, Switching circuit, Protection circuit, Load, Digital Controller with RL algorithm	1,83,500/-
ii.	Consumables	Consumables	10,000/-
iii.	Miscellaneous		1500/-
Total			1,95,000/-

2. The PI is informed to maintain proper accounts of the expenditure out of the grant, which shall be utilized only on proposed items through proper channel.

3. The PI is required to submit the Statement of Expenditure (SE), Utilization Certificate (UE) in the prescribed format and Project Completion Report (PCR) with all the outcomes from the project in line with the proposed objectives within one month after completion of project duration.

4. The PI may refund any unspent balance to LBRCE immediately after the completion of stipulated period.
5. The Project **File No.: LBRCE/R&D/2024-25/Seed/02** should be mentioned in all communications arising from the above project to the R&D Office, LBRCE.
6. The PI should ensure that the technical support/financial assistance provided to them by LBRCE should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.
7. The PI should acknowledge the support provided to them in all Publications, Patents and any other output emanating out of the project funded by LBRCE

Name of the Mentor: Dr. J.Siva Vara Prasad, Professor & HoD, Department of Electrical and Electronics Engineering, L.B.R.C.E – Mylavaram.


Principal
(Dr. K. Appa Rao)

Copy to

- 1) The President Sir for kind Information
- 2) Vice Principal
- 3) Dean R&D
- 4) IQAC
- 5) The Head, Dept. of CSE
- 6) Dr D.Veeraiah, Mentor