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2.	Hardware implementation of IEEE 57 bus	DST-EMEQ	2017-18	36.66	4



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GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF SCIENCE AND TECHNOLOGY
TECHNOLOGY BHAVAN
NEW MEHRAULI ROAD
NEW DELHI - 110 016

Reference No: T-1066

Dated : 22.12.2017

Subject: Project entitled "Reliable, Cost-effective Driver Signaling System for railways using wireless sensor network".

Dear Dr. Ramanjaneyulu,

This is with reference to your project proposal entitled above submitted to Department of Science & Technology (DST), Govt. of India, New Delhi for financial assistance, against Call for Proposals (CFP) launched under Interdisciplinary Cyber Physical Systems (ICPS) Programme.

The above mentioned proposal was referred to the external experts for evaluation and the gist of the comments of the experts are as follows:

While the problem sounds interesting but less convinced with solution approach and prior art presented. I am less confident if this would result in some meaningful outcome. The novelty and research component are also not quite convincing. Its highly relevant domain. PI tried to explain but yet explanation not clear. More technical information needed. How this project is related to ICPS needs more clarification. National impact needs to be justified with more technical details.

You are hereby requested to modify your proposal, incorporating the suggestions/comments of the experts and quantifying your deliverables/objectives/methodology and submit the modified proposal, through e-mail (in soft copies only) to the undersigned (i.e. rajeevsharma@nic.in) by 15th January, 2018. It has been decided that the total cost of your project should be around **Rs. 35:00 Lakh** for three years duration including training/tutorial/Workshops etc. Quotations of the Permanent Equipment, if any may also be attached with the modified proposal. Kindly note that hard copy of the proposal is not required to be submitted to DST at this stage.

It is essential for the PI's/Co-PI to participate in the PAMC Meeting in person for presentation/interactions. Your boarding and lodging for attending the PAMC Meeting will be taken care of by DST. Your travel cost for attending the PAMC meeting will be reimbursed as per GoI rules (travel by AIR INDIA, if applicable is a must and also, purchase the Air tickets from the authorized dealers only). This support will be available for only one faculty (PI or Co-PI) per project proposal.

YOU (PIs) MUST PREPARE A 10 MINUTES PRESENTATION, followed by 5 minutes discussion/interaction, HIGHLIGHTING THE SIGNIFICANCE OF THE PROJECT AND THE CORE CONTRIBUTIONS PLANNED IN THE PROPOSED PROJECT. YOU MUST BE ALSO WILLING TO PARTICIPATE IN DISCUSSIONS AND MODIFY THE PROPOSAL IF NEEDED.

You are hereby requested to prepare the PPT and restrict the total number of slides of your presentation to 10. Outline for the presentations is as follows:

... could be

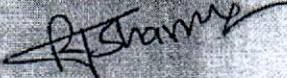
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- Slide 1: Title & Table of Investigators, designation, specialization
- Slide 2: Problem statement (what research problem you would like to address)
- Slide 3: Motivation (i.e. why is the problem interesting)
- Slide 4: State of the Art (National & International) & Gaps (What is the state of the art and gaps?)
- Slides 5,6,7: Proposed approach (Research Component, novelty/innovation/superiority over existence alternatives and the resource requirements etc. of the project, more details on your proposed approach and the problems you want to address). (slides 6/7 are optional)
- Slide 8: Expected Deliverables, Outputs, Societal Impact (who will be benefited from the outcome)
- Slide 9: Time line/Bar-Chart/Pert-Chart
- Slide 10: Budget table/requirements for three years

PAMC meeting to consider your proposal will be organized by DST, may be in the month of January/February, 2018. Exact date and venue of the PAMC meeting will be intimated to you well in advanced to the PAMC meeting. Based on PAMC recommendations, selected proposals only will be taken up for financial support.

With regards,

Yours Sincerely,


(Rajeev Sharma)

Dr. B. Seetha Ramanjaneyulu,
Professor,
Department of Electronics and Communication Engineering,
Vignana's Foundation for Science, Technology and Research,
Vadlamudi, Guntur District,
Andhra Pradesh- 522 213.
E-mail: ramanbs@gmail.com

FILE NO. EEQ/2017/000626
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)
(a statutory body of the Department of Science & Technology, government of India)

5 & 5A, Lower Ground Floor
Vasant Square Mall
Plot No. A, Community Centre
Sector-B, Pocket-5, Vasant Kunj
New Delhi-110070

Dated: 28-Mar-2018

ORDER

Subject: Financial Sanction of the research project titled: **"Hardware Model Implementation of IEEE-57 Bus Power System Network"** under the guidance of Dr. mercy rosalina kotapuri, **Electrical & Electronics Engineering, Vignan's Foundation for Science, Technology and Research University, Vadlamudi village guntur district, Guntur, Andhra pradesh-522213** - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 3666000/- (Rs. Thirty Six Lakh Sixty Six Thousand Only) with break-up of Rs. 2000000/- under Capital (Non-recurring) head and Rs. 1666000/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 3666000/- has been approved are given below:

The following budget may be considered for Vignan's Foundation For Science, Technology And Research University, Vadlamudi Village Guntur District

S.No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> 3-Phase Delta connected Loads as per data sheet. Voltage=414 volts Current=5 amps -> 3- phase Auto Transformer. KVA=2 -> 3- phase Digital Voltmeters and Ammeters. -> 3- phase Isolation Transformer -> PI MODEL (3- phase) Transmission line as per Data sheet. -> 3- phase Auto Transformer. -> Panel Board with Iron stand as base.(12ft X 12ft). -> 3-Phase Bus bar indicators.	2000000
A'	Total (Non-Recurring)	2000000
B	Recurring Items	
1	Recurring - I : (Manpower) Recurring - II : (Consumables, Travel, Contingencies)	936000 400000
2	Recurring - III : (Overhead Charges)	330000
B'	Total (Recurring)	1666000
C	Total cost of the project (A + B')	3666000

2. Sanction of the SERB is also accorded to the payment of
 - Rs. 2000000/- (Rupees Twenty Lakh only) under 'Grants for creation of capital assets' and Rs. 555000/- (Rupees Five Lakh Fifty Five Thousand only) under 'Grants-in-aid General' to Registrar, Vignan's Foundation For Science, Technology And Research University, Vadlamudi Village Guntur District being the first installment of the grant for the year 2017-2018 for implementation of the said research project.
3. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER)
This release is being made under Empowerment and Equity Opportunities for Excellence in Science. (Task force Committee) (SC)

4. The Sanction has been issued to Vignan's Foundation For Science, Technology And Research University, Vadlamudi Village Guntur District with the approval of the competent authority under delegated powers on 28 March, 2018 and vide Diary No. SERB/F/11211/2017-2018 dated 28 March, 2018

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

8. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

9. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

10. The release amount of Rs. 2555000/- (Rupees Twenty Five Lakh Fifty Five Thousand only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Account Name	REGISTRAR,VIGNAN UNIVERSITY
Account Number	21890210000328
Bank Name & Branch	UCO BANK VADLAMUDI(V)CHEBROLU(M)GUNTUR (DT)522213
IFSC/RTGS Code	UCBA0002189
Email id of A/C Holder	registrar@vignanuniversity.org
Email id of PI	mercyroslink@gmail.com

11. The institute will furnish to the SERB, New Delhi, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

12. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

13. The project File no. EEQ/2017/000626 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

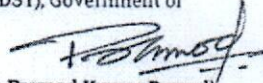
14. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any. beyond the duration of the project

15. As this is the first grant being released for the project, no previous U/C is required.

16. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

17. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

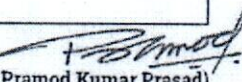
18. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.


(Dr. Pramod Kumar Prasad)
Scientist C
pk.prasad@serb.gov.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. mercy rosalina kotapuri Electrical & Electronics Engineering Vignan's Foundation for Science, Technology and Research University, Vadlamudi village guntur district, Guntur, Andhra pradesh-522213 Email: mercyroslink@gmail.com Mobile: 918978856650 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in .)
5.	Registrar, Vignan's Foundation For Science, Technology And Research University, Vadlamudi Village Guntur District (Receipt of Grant may be intimated by name to the undersigned)


(Dr. Pramod Kumar Prasad)
Scientist C
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