



Directorate of Research
Dr. Rajendra Prasad Central Agricultural University, Bihar,
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अनुसंधान निदेशालय

डॉ० राजेन्द्र प्रसाद केन्द्रीय कृषि विश्वविद्यालय, बिहार, पूसा-848125(समस्तीपुर)

Dr. Mithilesh Kumar
Director Research
डॉ० मिथिलेश कुमार
निदेशक अनुसंधान

No. : 445 /DR
Date: 11/01/2018

Concerned P.I.s of Univ. Funded Research Projects/ Other Projects

Sub: Compilation of Research Highlights of University Funded Research Projects for compilation in Agenda note.

Sir,

You are requested to submit the Research Highlights of your concerned Projects in the following proforma for compilation in Agenda note for **5th Research Council Meeting, Rabi- 2018 on or before 20th September, 2018** in hard and soft copy.

Guidelines for submission of research highlights to be included in agenda notes are enclosed herewith for your convenience and uniformity in compilation of agenda notes.

M. Kumar
(Mithilesh Kumar)

CC: Officer Incharge, ARIS Cell for display on University website and Notice Board.
CC: Secretary to V.C. for kind information to the Hon'ble Vice-Chancellor.

Univ. Funded Research Projects

1. **Title of the Project/Experiment:** Development of Floating Solar Photovoltaic Pumping System for Irrigation to diara/ dhab lands of Bihar.

Name of the PI : Dr. S. K. Jain, Associate Professor

Co-PIs : Dr. R. C. Srivastava, Vice-Chancellor, Dr. Ravish Chandra, Jr. Sc.
& Dr. Pramod Kumar, Jr. Scientist.

Fund sanctioned- Rs. 22.28 lakhs

Year of start : 1917 **No. of years conducted:** On going

Research Highlight: A boat based solar irrigation system has been designed, developed and fabricated for the benefit of the farmers of diara/ dhab and chaur lands of Bihar. The system was launched in the Burhi Gandak river basin on 10th January, 2017. Since then, it is irrigating the fodder crops of university farm at Simri Ghat and Jan Ghat. Operation of Raingun with the system has been tried successfully. The preliminary results show that raingun, sprinkler system and drip systems can be operated successfully with this system. Considering the performance of the system, seven more such systems have been fabricated and are being sent to different districts for operation in farmer's field.

Recommendation based on concluded trials: N.A.

Plan of work for ensuring season: To be continued.