



INDIAN COUNCIL OF AGRICULTURAL RESEARCH

## CHAUDHARY DEVI LAL OUTSTANDING ALL INDIA COORDINATED RESEARCH PROJECT AWARD-2018

### CITATION

The All India Coordinated Research Project (AICRP) on Farm Implements and Machinery, Bhopal, Madhya Pradesh has been bestowed Chaudhary Devi Lal Outstanding All India Coordinated Research Project Award-2018 in association with All India Coordinated Research Project (AICRP) on Wheat and Barley, Karnal, Haryana. AICRP on Farm



Implements and Machinery with Coordinating Cell at CIAE, Bhopal and 25 cooperating centres has developed/adapted more than 300 need based farm tools and equipment of which 175 have been commercialized. A systematic approach of farm machinery development is adopted by identifying mechanization gaps, development of need-based new equipment, their prototype manufacturing, prototype feasibility testing, front line demonstration and commercialization by involving manufacturers. The scientific contribution of the project included three policy papers, more than 50 research papers (NAAS rating > 6.00), 39 technical bulletins and 75 success stories from 2012 onwards. The project is also associated in formulation and implementation of a new GOI scheme on Promotion of Agricultural Mechanization and Machinery for In-situ Management of Crop Residue in the states of Punjab, Haryana, Uttar Pradesh and NCT of Delhi with an outlay Rs. 1152 crore. A nationwide survey for status of farm mechanization was carried out which identified the gaps existing in the requirement of improved farm implements and machinery in the country. The study identified a number of crops, their operations and implements requiring adaption and development. The research prototypes were then evaluated in the laboratory and at farmer's field before introduction for front line demonstration and commercialization. These efforts resulted in the mechanization of critical farm operations of major crops in 20 states. The economic benefit of adoption of improved implements developed under the project is about Rs. 400 crores per annum, which is about 2-5% of the existing potential and the activity needs further scaling up. The award is given to the AICRP on Farm Implements and Machinery for a systematic approach to farm mechanization research culminating in the adoption of a large number of improved machinery throughout the country resulting in greater economic returns to the farmer by increasing productivity through timeliness of farm operations and efficient use of inputs.



Indian Council of Agricultural Research



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Certificate

**CHAUDHARY DEVI LAL OUTSTANDING ALL INDIA COORDINATED  
RESEARCH PROJECT AWARD – 2018**

(For Best All India Coordinated Research Project)

is presented to

All India Coordinated Research Project on

Farm Implements & Machinery

Bhopal, Madhya Pradesh

16 July, 2019  
New Delhi

(T. Mohapatra)  
Secretary (DARE) &  
Director General (ICAR)

(Narendra Singh Tomar)  
Agriculture & Farmers Welfare Minister, GoI  
& President, ICAR Society