

Multi-utility e-vehicle for small agricultural operations

Utility

ICAR-CIAE developed a battery (60V, 100Ah) powered multi utility E-Vehicle. Effective field capacity and field efficiency for paddy crop harvesting with e reaper was found as 0.18 ha/h and 75% respectively. Operating costs for e-vehicle with reaper and planter attachment is calculated as Rs.1243/ha and Rs.874.60/ha respectively. Using MUEV the carbon emission reduction was found as 68% and 90% in harvesting and sowing operations respectively when compared with respective conventional practices.



Design: ICAR-CIAE, Bhopal

Commercialization Status: Ready for commercialization

Proposed stakeholders: Farmers, manufacturers etc.

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