FARM MECHANIZATION for Enhancing Farm Efficiency and Profitability

More **profitable agriculture**
Better livelihoods and **reduced poverty**
Global **competitiveness**

**Why mechanization in agriculture?**

- Enhancing efficiency of smallholder farmers who are affected by increasing labor costs is needed to make agriculture more profitable
- Declining availability of animal power for agriculture
- Modernizing agriculture will attract youth back to agriculture
- Farm mechanization reduces crop production costs and post-harvest losses, and boosts crop output and farm income.

**How it can be implemented?**

- Build public private partnership to promote mechanization of small farms
- Incentivize small farm holders to adopt mechanization
- Establish custom hiring centers to enable small farm holders to adopt mechanization for increasing agricultural productivity
- Promote farm mechanization among stakeholders by way of on-field and off-field training and demonstrations.
- Develop and popularize models of science-led efficient agriculture through mechanization
- Enable policies and institutions to promote modernization of agriculture and mechanization

**What has been implemented?**

- There has been a steady shift from animal power to electro-mechanical sources of power in some central and southern states – Maharashtra, Andhra Pradesh, Telangana, Karnataka, Madhya Pradesh etc
- Researchers have developed direct seeded rice to cope with the growing water scarcity
- Minimum tillage promoted as a conservation farming technique for sustainable development
- Farm mechanization is promoted in pilot sites of BhooSamrudhi in partnership with Government of Karnataka as well as “Rythu Kosam” with Government of Andhra Pradesh.