

THEMATIC AREA: EXPLORING ORCHID BASED FLORICULTURE AVENUES FOR ENHANCING BIOECONOMY FOR RURAL POPULACE OF THE STATE.

- Floriculture can be evolved as viable and profitable alternative which has potential to generate remunerative self-employment and have prospects for providing economical sustainability.
- Arunachal Pradesh can be right fully called “Orchid Paradise” of our country. Over 600 species of orchids can be found in the state.
- The state can contribute significantly to the orchid industry in the country and also encouraging the entrepreneurs for commercial cultivation of the orchid will improve the socio-economic status of the people in the state.

OBJECTIVES

Development of state-of-the-Art Orchidarium by maintaining the physical environment at DBT-APSCS&T Centre, Kimin

Cultivation and conservation of RET orchid species and economically important species.

Establishing satellite units in selected villages with a view to promote orchid based entrepreneurship in rural areas.

To nurture potential orchid farmers and to organize production and marketing groups.

Providing Training to Farmers, Students and Local Populace



Establishment of State-of-the-Art Orchidarium

State-of-the-Art Orchidarium measuring around 600 sqm with all the has been established. It consists of around 6000 types of orchids consisting of important commercial varieties Dendrobium, Cymbidium, Vanda, Oncidium, Mokara, Cattleya, Phalaenopsis. The state of art orchidarium will works towards propagation and commercialization of important commercial orchids to provide economic avenues to the local populace.



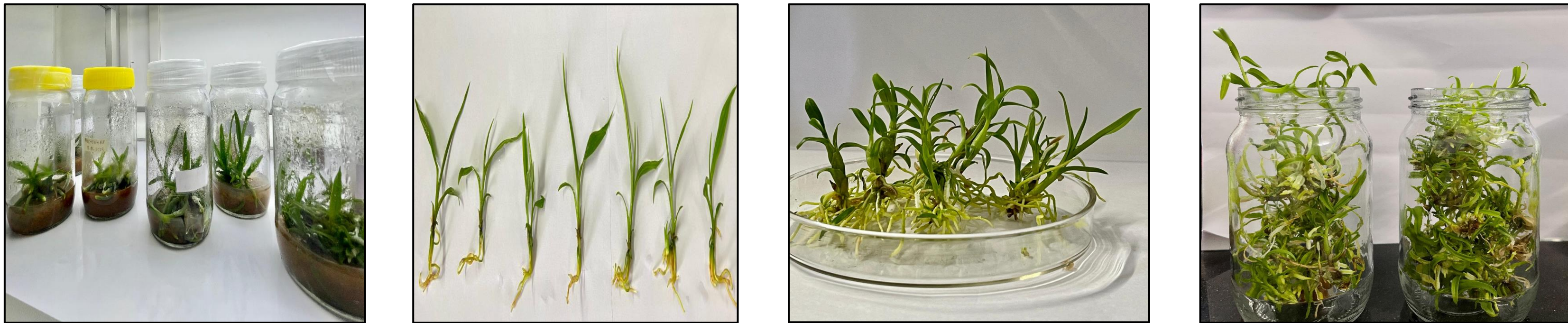
Establishment of Germplasm Unit

The centre has developed and established the Orchid Germplasm Unit, which is working towards the conservation of the indigenous varieties of orchids that have been rescued or collected from areas of deforestation. Around 100 species of orchids have been collected and are maintained.



STANDARIZATION OF PROPAGATION METHODOLOGIES THROUGH VEGETATIVE AND MICROPROPAGATION

Plant tissue culture laboratory established and protocols standardized for conservation and mass propagation of orchids with commercial values.



Establishment of Orchid Production Unit/ Satellite Units

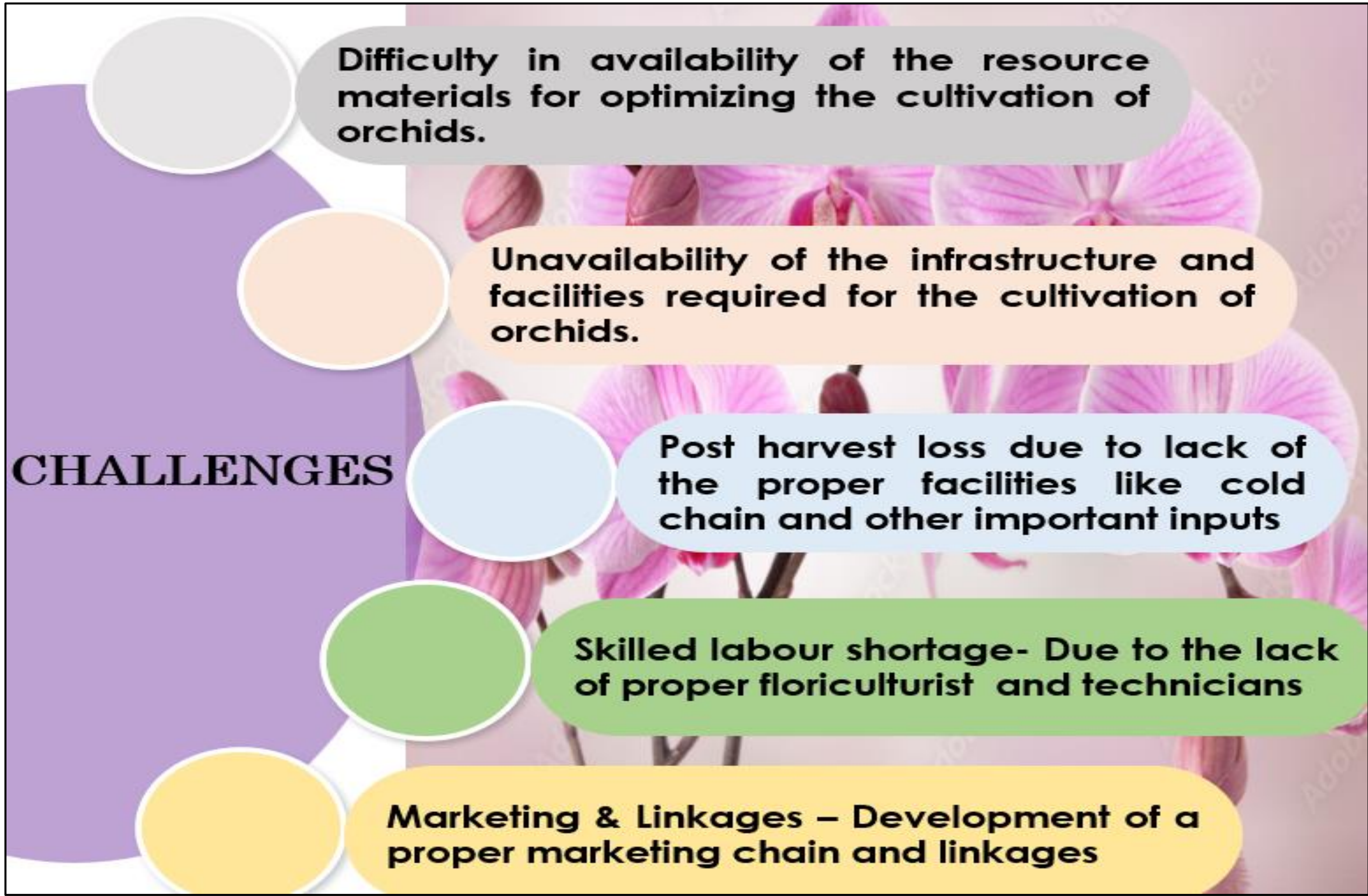
Orchid Production/Satellite units have been established in different parts of Arunachal Pradesh (Namsai, Pasighat, Kimin, Khach Neelam and Ziro). Around 350 varieties of important commercial orchids have been supplied to each individual unit.



Value Addition of Orchids



FUTURE WORK PROSPECTS



Solutions

- Development of infrastructure facilities supporting cultivation of orchids.
- Training and awareness on various method for the cultivation of orchids.
- Development of proper marketings chain for promoting orchid and other floriculture based entrepreneurship
- Development of quality planting materials

Exploring Orchid Based Floriculture Avenues can provide economical prospects and contribute for the growth of economy in state and also aid in the conservation of the biodiversity.