

Technologies of ICAR-DOGR for Commercialization

A. ONION & GARLIC VARIETIES

ICAR-DOGR has developed ten onion and two garlic varieties based on genetic improvement and selection in the available germplasm at ICAR-DOGR and they are released at national level. More than ten companies have taken non-exclusive license for seed production and marketing of onion varieties developed by ICAR-DOGR with a successfully growing business.

Onion & Garlic Varieties (Yield & Season)

1.Bhima Light Red Yield- 38.5 t/ha (<i>rabi</i>)	2.Bhima Dark Red Yield- 20-22 t/ha (<i>kharif</i>)	3.Bhima Raj late <i>kharif</i> and <i>rabi</i> ; Yield 25-30t/ha (<i>kharif</i>)	4. Bhima Red (Yield- 19-21 t/ha (<i>kharif</i>), 48-52 t/ha (late <i>kharif</i>) and 30-32 t/ha (<i>rabi</i>))
			
5.Bhima Super (Yield- 20-22 t/ha (<i>kharif</i>) and 40-45 t/ha (late <i>kharif</i>))	6.Bhima Kiran (Yield- 41.5 t/ha (<i>rabi</i>);))	7.Bhima Shakti (Yield- 45.9 t/ha (<i>kharif</i>) and 42.7 t/ha (<i>rabi</i>))	8.Bhima Shweta (Yield-18-20 t/ha (<i>kharif</i>) and 26-30 t/ha (<i>rabi</i>))
			
9.Bhima Shubra (Yield-18-20 t/ha (<i>kharif</i>) and 36-42 t/ha (late <i>kharif</i>))	10.Bhima Safed (Yield-18.5 t/ha)	11.Bhima Omkar (Yield-8-14 t/ha)	12.Bhima Purple (Yield-6-7 t/ha)
			

Licensing of the varieties

Incubatees interested in seed business can get the license of all the onion varieties developed by ICAR-DOGR, Pune by signing an MoU (Memorandum of Understanding) with the institute and depositing a licensing fees of Rs. 1,00,000/- at ITMU section, ICAR-DOGR, Pune.

B. ONION GRADERS



Hand operated as well as motorized onion graders have been developed by ICAR-DOGR. One company has taken a non-exclusive license for manufacturing and marketing of motorised onion grader and is successfully running the business.

C. ONION STORAGE STRUCTURES



ICAR-DOGR developed bottom and side naturally ventilated onion storage structures have been widely adopted in Maharashtra for storage of onion. Maharashtra State Government also provides subsidy for construction of these structures.

Management Team of ABI, ICAR-DOGR

Dr. Major Singh, Director, ICAR-DOGR	Chairman
Dr. V. Mahajan, Pr. Scientist, ICAR-DOGR	Member
Dr. A. K. Sharma, Pr. Scientist, NRC Grapes	Member
Sh. Shirish Ghone, Beej Sheetal Research PVT. Ltd	Member
Dr. M. B. Dhadwad, Assistant Professor, MPKV, Rahuri	Member
Dr. Kalyani Gorrepati, Scientist, Co-PI-ABI	Member
Dr. Rajiv Kale, Scientist, PI	Member Secretary
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AGRI-BUSINESS INCUBATION CENTRE ICAR-DIRECTORATE OF ONION AND GARLIC RESEARCH, PUNE

“Prarambh”- Merging Innovation with Entrepreneurship



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ABOUT ICAR-DOGR AGRI-BUSINESS INCUBATION CENTRE

ICAR-Directorate of Onion & Garlic Research (DOGR) is a well accomplished institute which targets basic, strategic and applied research on genetic resource management, crop improvement, production and post-harvest technologies for profitable and sustainable production of onion and garlic. ICAR-DOGR developed different technologies which are widely popular among the stakeholders.

Agri-Business Incubation (ABI) centre at ICAR-Directorate of Onion & Garlic Research (DOGR) was sanctioned in the year 2019 by ICAR Incubation Fund (Component II) under XII Plan scheme of IP&TM unit, ICAR i.e. National Agricultural Innovation Fund (NAIF).

Through this ABI centre, ICAR-DOGR would extend support to prospective entrepreneurs by providing technical assistance, consultancy, infrastructure facility, guidance and training for sustainable business establishment.

The main objectives are:

- 1. To provide incubation facility and technical assistance for Agri-business development
- 2. To scale up the technologies in collaboration with stakeholders
- 3. To impart training and capacity building to prospective entrepreneurs in agribusiness ecosystem.

Services Offered



Eligibility Criteria

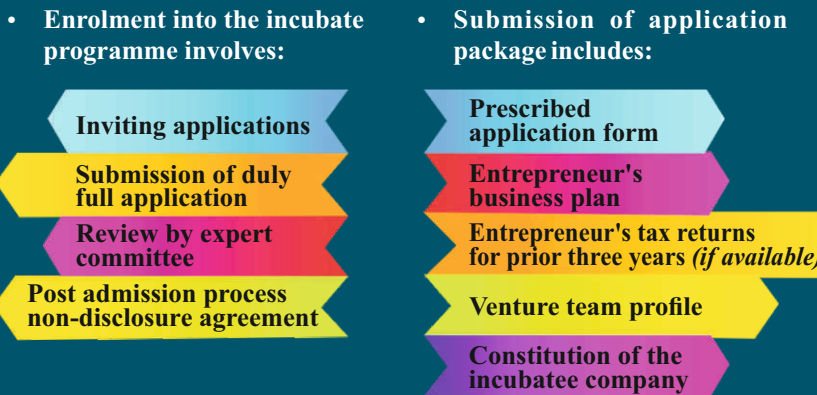
- 1. The applicant should be a registered legal entity of India
- 2. For new ventures, the applicant should be an Indian start-up as per the GOI notification; ICAR-DOGR will not support any Indian subsidiaries of MNC's/ foreign companies.
- 3. New entrepreneurs with a new start-up
- 4. Farmer producer companies
- 5. Recently passed candidates with relevant degrees and having innovative ideas to set up a start-up.
- 6. Business development activity by an already existing company with new idea/segment for new company, started within 5 years.



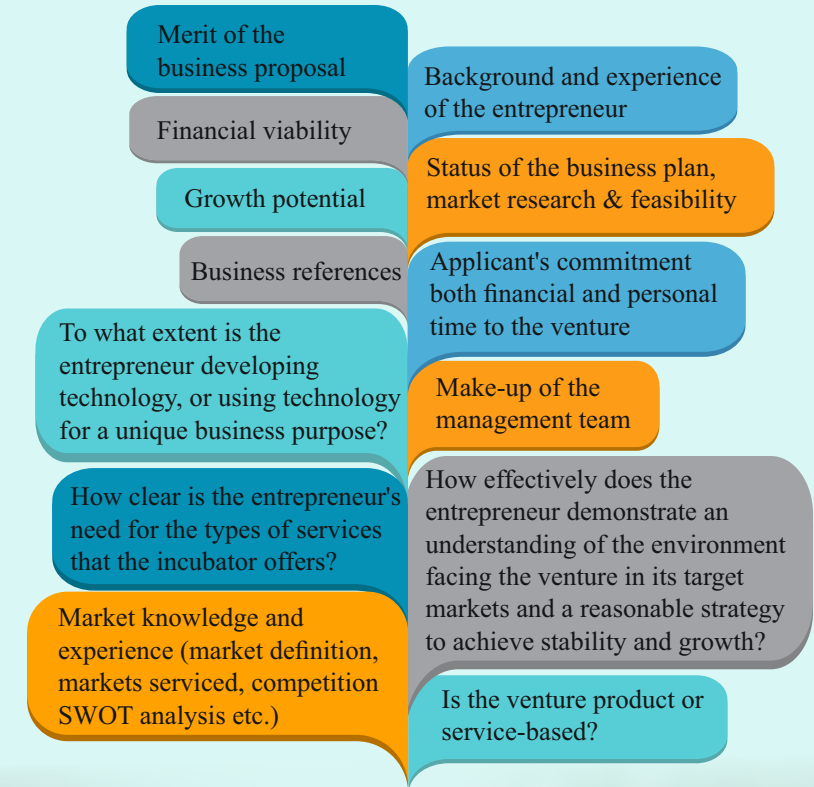
Networking

- For sustainability of ABI
 - Networking with different government agencies for securing various grant schemes
 - DST, MSME, SFAC, DBT, Start-up India, District Industry centers (DIC), NABARD, State/Center Agri department, FPOs, Ministry of Food Processing Industries (MOFPI) etc.
- For client sourcing by Identifying potential clients for incubation
- For building its ecosystem
- Comprising of different stakeholders in the local economy and agricultural value chain

Selection Process



Criteria for review by expert committee



Graduation

- The revenue stream of the company is adequate for self-sustenance
- The entrepreneurs have been able to tie up investors to finance the expansion plans of the venture and the incubator support is no longer necessary
- The entrepreneurs have sold the venture to a larger company
- Expiry of the period specified in the license agreement

If any of the below given events takes place the venture/incubatee will be treated as graduated from incubation program and the membership in the incubator will be discontinued

Fees structure/charges for an Incubatee:

Registration:	Rs. 5000/- (fixed)
Rental per month:	Rs. 5000/- (only for infrastructure/ space/equipment at DOGR)