





HIMPALAM RABI/PUB-II/2020

HIM PALAM RKVY-RAFTAAR AGRI-BUSINESS INCUBATOR (HIM PALAM R-ABI) CSK HIMACHAL PRADESH KRISHI VISHVAVIDYALAYA PALAMPUR-176062

Funded by Ministry of Agriculture & Farmers' Welfare

Under

"Rashtriya Krishi Vikas Yojana –Remunerative Approaches for Agriculture and Allied Sector Rejuvenation (RKVY-RAFTAAR)"

ANNUAL PROGRESS REPORT (2020-21)



Prepared by

Prof. VK Sharma, Principal Investigator & Er. Shakiv Pandit, Manager

Introduction to Himachal Pradesh

Himachal Pradesh is situated in the heart of Western Himalayas with altitude varying from 300 meters to 7000 meters. It covers a geographical area of 55, 673 square kilometers, which is about 1.82 per cent of India's total area. Nature has endowed Himachal Pradesh with a wide range of agro-climatic conditions, which make it suitable for growing wide range of field and fruit crops. It comprises of four zones viz., Low hills subtropical (16% TGA), Mid hills sub-humid (21% TGA), High hills wet temperate (24% TGA) and High hills dry temperate (39% TGA) zones. The state is divided into 12 districts and 75 Tehsils for the administrative purposes. The mainstay of the people in the state is agriculture on which 67 percent population still depends. The marginal and small farmers possess 86.4 per cent of the total land holdings. The cultivated area in the state is only 11 percent. Because of hilly topography, the terraced cultivation is usually practiced in the State. About 80 % of its cultivated area is rainfed. Total area under food grains, fruits, apple, vegetables, floriculture, organic farming and tea is 790, 231, 113, 72, 0.6, 22 and 2.3 thousand hectares. There is a variety of field crops grown in the State viz., rice, wheat, maize, groundnut, soybean, sunflower, mustard, toria, urd, beans, moong, rajmash, gram, lentil, cash crops like seed potato, off-season vegetables and ginger, while fruits grown in the State are apple, mango, orange, pear, plum, peach, lime, litchi, apricot, galgal, pomegranate, etc.

Major Opportunities in Himachal Pradesh for sustainable agriculture are as follows:

- Diverse agro-climatic conditions viz., sub-humid tropical (elevation 350-1000 m), warm and temperate (elevation 1001-1500 m), cool and temperate (elevation 1,501-2,500 m), and cold alpine and glacial (elevation 2,501-6,975 m).
- Distinctive floral and faunal biodiversity having aesthetic, cultural, commercial and genetic values. the State harbours 3,256 floral species & 5,721 faunal species.
- 67 percent population depends on agriculture.
- Organic agriculture by default
- Crop diversification including wheat, maize, rice, barley, seed-potato, ginger, vegetables, vegetable seeds, mushrooms, chicory seeds, hops, olives, and fig.
- Apple State of India
- Known for quality tea production
- A long list of underutilized food plants in the State
- 1st State to formulate "Policy for the Registration and Protection of Geographical Indications of Goods". H.P Patent Information Centre files application on behalf of any association of persons, producers & organizations
- Important GIs include Chamba rumal, Kangra paintings, Kangra tea, Kinnauri shawl, Kullu shawl, Karsog Kulth, Chamba Metal Crafts, Thangi of Pangi, Rajmah of Bharmour, and Chamba Chukh.
- Enhancing efficiency of production, processing and marketing of food and animal products using latest technologies
- High value and low volume crops (Kalazeera, Saffron, Kuth, heeng (asafoetida), etc).
- Off-season vegetables (Pea, Cabbage, Capsicum, Cauliflower, Tomato, French beans)
- Forest-based products medicinal and aromatic plants (MAPs) like Salam Panja, Patish, Karu, Rattanjot, Somlata, etc.
- Organic/ natural farming products
- Niche based animal production (fishes, *Pahari* cows, *Gaddi* dogs, etc.)

About Him Palam RKVY-RAFTAAR Agri-Business Incubator

Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishvavidyalaya (CSKHPKV) was established on 1st November, 1978. The University has four constituent colleges, viz. College of Agriculture with 13 departments, Dr. GC Negi College of Veterinary & Animal Sciences with18 departments, the College of Community Science with five departments and the College of Basic Sciences with four departments. Besides, It has three Regional Research Stations, ten Research Sub-stations and eight KVKs situated in four agro-climatic zones of the State. The Indian Council of Agricultural Research has ranked this University at eleventh place among all farm universities of the country. Over the years, this University has contributed significantly in transforming the farm scenario of Himachal Pradesh. The university has contributed largely to the State for receiving the "Krishikarman award" of Government of India in food-grain production, four times in row. The University has developed and released 155 improved varieties of different crops for the different regions of the State. To enhance crop and animal productivity, the University has developed more than 100 technologies in the areas of crop improvement, animal breeding, disease combating, natural resources management, etc. For doubling the farmers' income by 2022 as envisaged by the government, twenty farm-based models have been formulated and shared with the agriculture and animal husbandry departments of the State Government.

To promote innovation and entrepreneurship development in agriculture and allied sectors the Ministry of Agriculture and Farmers' Welfare has established an Agri-Business Incubator under Rashtriya Krishi Vikas Yojana - Remunerative Approaches for Agriculture and Allied Sector Rejuvenation (RKVY-RAFTAAR) scheme during 2018-19. Enhancing contribution of agriculture to the GDO and creating more job providers as compared to job seekers are the main agenda of the RKVY-RAFTAAR scheme. This incubator is known as Him Palam RKVY-RAFTAAR Agri-Business Incubator (Him Palam R-ABI) of CSKHPKV. The mission of Him Palam R-ABI) is to bring agricultural prosperity in North-West Himalayas through innovation and entrepreneurship. An agricultural value chain comprises of Producers (who grow crops and raise animals) at one end, Consumers (who eat, drink, wear and use the final products) at the other end and thousands of men and women, and small and large businesses in the middle). Him Palam R-ABI is committed to promote innovation and entrepreneurship among students/ youth of India in general and of Himachal Pradesh in specific. It will focus on nurturing innovative early-stage enterprises that have high growth potential to become competitive agribusinesses. It may include commercialization of scientific agro-technologies, seed ventures (seed production, processing, and marketing), innovative ventures (based on proprietary products or novel services with good market potential), farm ventures (Integrated farming system, Natural/Contract/ precision farming, etc.), agri-biotech ventures, supply chain management ventures, etc.

Vision

Providing high-quality incubation services to agri-startups of hill agro-ecosystems.

Mission

Promoting innovation and entrepreneurship in agriculture and allied sectors as per the guidelines of Government of India.

Objectives of Him Palam R-ABI

- i) To achieve "Lab to Land" by dissemination of new technology /varieties to farmers through promoting a culture of Agri startups.
- ii) Identifying and adopting technologies appropriate for specific agribusiness enterprises.

- iii) Identifying and motivating entrepreneurs in agribusiness enterprises, frequently in rural areas.
- iv) Building commercial conduits in the form of value chains which integrate new value creating activities in rural and urban spaces.
- To promote innovation, entrepreneurship and business creation in agriculture and allied sector v) by skill development, capacity building and technology scale up.
- To build a vibrant agri-startup ecosystem, by establishing a network between academia, financial vi) institutions, industries and other related institutions.

Focus Areas



Sustainable Agriculture



Animal Husbandry



Food Processing



Natural Resource Management



Agriculture Biotechnology



Agri Input tools and Technologies



Micro Irrigation



Farm Mechanization



Precious Farming



Harvesting & Post **Harvest Processing**



Supply Chain Management



Farm Retailing



Internet of Things



Intelligence



Wealth

Agriculture **Extension Education**



Agril Clinics & Farm Health Services



Community Sciences

Project staff

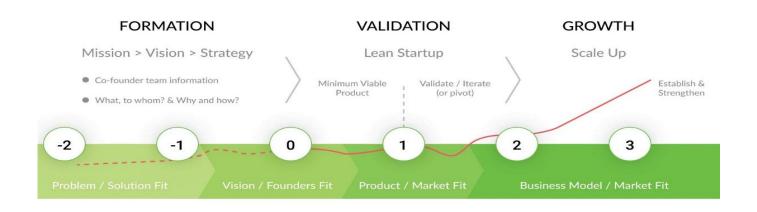
SN	Post sanctioned	Name of the official in position	Remarks	
1.	Assistant Manager	Mr Shakiv Pandit	Holding additional charge of BM	
2.	Business Executive	Mr. Vikas Kumar		
3.	Office Assistant	Mr. Babli Kumar		

Advertisement (dated 07/10/2020)

			FELLOWSHI	P NOTICE No. 33/2020	<u>o</u>		
appro	project as p	per detail g nt of proces the Head, I	sing (application)	eribed form from the eligible application complete in a no fee, in favour of the Corsoil Science, College of A	nntroller CSI	CHPKV. Palan	npur, shoul
Sr. No.	Name of the	fellowship	Remuneration	Essential Qualifications	Name of Project	Duration of Fellowship	Application Processing Fee
1.	fellowship Business Manager	Position 01	Rs.1,25,000/- PM (fixed)	M Tech/ MBA/PGDM/ Equivalent Master degree in Agri-Business/ Pinance/ Marketing/Agri Marketing/Agri Marketing/Agri Economics/ Economics/ Economics/ Economics/ Economics/ Economics/ Entrepreneurship from recognized institute, having relevant experience in at least 3 - 5 years in Tecnnology commercialization; Supported incubators; Assessment and evaluation of projects startup projects and with experience in startup ecosystem. Note: The experience /technical output in areas specified above and relevant to the startup ecosystem, will only be considered.	GOI Funded Project:- "HIM PALAM RKVY- RAFTAAR Agri Business Incubator (Adhoc GOI 5039-15".	Up to 31.3.2021/ Co-terminus with the project/ availability of funds.	Rs. 450/- (Rs.110/- for reserve categories
2.	Assistant Manager	01	Rs. 70,000/- PM (fixed)	M Tech/ MBA/FGDM/ Equivalent Master degree in Agri-Busines/ Finance Marketing/Agri Marketing/Agri Economics/ Economics/ Technology Commercialization/ Entrepreneurship from recognized institute having relevant experience in at least 2 -3 years in Technology commercialization supported incubators; Assessment, evaluation of projects startup and with experience in startup ecosystem. Note: The experience /technical output in areas specified above and relevant to the startup ecosystem, will only be considered.		-do-	-do-

Main activities/ programmes of the Him Palam R-ABI

Basic function of the Incubator is to provide handholding support to budding entrepreneur depending upon their requirement/ startup development phase



Broadly, Him Palam R-ABI comprises of following two programmes:

I. Him-Utkarsh programme

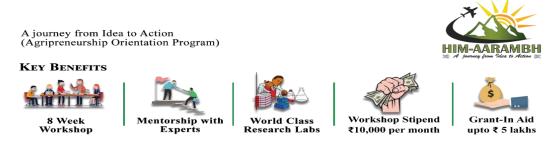


The programme comprises of Seed Stage Funding as grant-in-aid to Startups. This seed stage funding will be available to incubatees who are incubated at the R-ABI. Under this, financial assistance of a maximum of Rs. 25 lakhs will be granted to potential startups that have a minimum viable product (MVP) based on innovative solutions/ processes / products/ services/business models in agriculture and allied sector. The amount of Rs. 25 lakh is the upper limit of the seed fund assistance. The applicant incubatees would be provided funds as per their genuine requirements and as per appraisal/evaluation of their business plans by the RC and the decision of the RC in this regard will be final. The RC will not be bound to give any reason in case an application for seed loan is rejected. This support will assist the incubatees to launch their products/ services/ business platforms etc. into the market and help them to scale up their operations as well as to attain business viability at a faster pace. This support will also facilitate them to attract investments from angel/venture capitalists or taking loans from commercial banks /financial institutions for further scaling-up of their business operations.

1.1 Highlights

- Financial assistance of maximum up to ₹ 25 lakhs to potential startups that have a Minimum Viable Product (MVP) based on innovative solutions / processes / products / services / business model in agriculture & allied sectors.
- Screening of MVPs on the basis of their relevance to scalable business.
- This support will assist the incubatees to launch their products / services / business platforms etc. into the market and help them to attain business viability at a faster pace.
- Mandatory two months training to provide skills for translating MVP to marketable stage and scale up the product and business.
- Based on consistent performance evaluated by Him Palam R-ABI Incubation Committee, selected incubatees will be eligible for seed funding.
- Program implementation strictly as per the guidelines issued by the MOA and FW.

2. Him-Aarambh programme



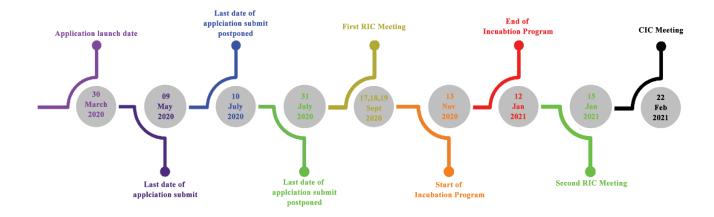
The programme comprises of Agri-preneurship Orientation Programme (AOP) and Pre-seed funding stage. Agri-preneurship orientation programme is aimed at providing an opportunity to students/youth to work on their innovative ideas by imparting two months training cum hands on internship with other startups at the respective R-ABI. Guided by experienced and innovative startups, they will be able

to understand business concepts/nuances, strategy and practical insights of specific industries or markets, challenges and strategies to resolve them. After successful completion of the two months orientation programme, the R-ABI will facilitate incorporation of entities for all viable business ideas by the above-mentioned interns. Start-ups are trained in various aspects of the product and business development. After that, these startups will be eligible for Idea/Pre-Seed Stage Funding. Under this, subsistence grant of a maximum of Rs. 5 lakhs will be provided to interns who have successfully completed the initial two months of agri-preneurship orientation programme and are aspiring to convert their innovative idea based on technology, service, business platforms etc. into a prototype/ product. Startups supported for idea/pre-seed stage funding will be eligible for obtaining next stage of Seed Stage Funding after evaluation.

2.2 Highlights

- Opportunity to students/ youth to work on their innovative ideas on technological solutions/ processes/ products/ services/ business platforms etc. in agriculture and allied activities.
- Screening of ideas on the basis of their potential for scalable business models.
- Two months Agri-Entrepreneurship Orientation Program.
- Selected interns eligible to apply for Idea/ Pre-Seed Stage funding of grant in aid up to ₹ 5 lakhs per startup for converting his/ her innovative idea into prototype/product as future agri startup.
- Final selection of interns by R-ABI Incubation Committee.
- Program implementation strictly as per the guidelines issued by the MOA and FW.

Launch/Start/End date of the startup programs







Selection of startups

Duoguamana	Total	Candidates selected after	Candidates selected	Candidates selected						
Programme	Applications	RIC-1	in RIC-II for CIC	in CIC						
	2019-2020									
Him	79	15	9	6						
Aarambh										
Him	6	2	2	2						
Utkarsh										
		2020-2021								
Him	35	15	9	5						
Aarambh										
Him 17 5		5	5	5						
Utkarsh										

Main activities planned under startup programs

Program	Activities							
Him Aarambh	1. FIRST RIC MEETING ON SEPTEMBER 17 TO 19, 2020							
	2. Conduct of Agricultural Orientation Program as per RKVY RAFTAAR guidelines.							
	3. Exposure to different startups / enterprises in agriculture and allied sectors mainly through experts.							
	4. Mentoring services for building MVP							
	5. Setting up of milestones for each startup							
	6. providing incubation services to work on ideas							
	7. SECOND RIC MEETING ON JANUARY 15, 2021							
	8. CIC meeting on 22-02-2021							
Him Utkarsh	Above-mentioned activities but with more mentoring services towards scaling up							
	business.							

Content of Agripneurship Orientation-cum- Incubation programme

Department of Soil Science Him Palam Agri-Business Incubator CSK Himachal Pradesh Krishi Vishvavidyalaya Palampur-176062

> No: QSD/ Soil Science/2020/1483-1552 Date:19-10-2020

Schedule of 2-month Agri-entrepreneurship Orientation-cum-Incubation Programme (13-11-2020 to 12-01-2021)

Objectives

- On-line Capacity building through participatory learning approach of Him-Aarambh incubatees for the business planning plus Practical orientation of each startup on the MVP development through offline/ online Mentor-Startup linkage
- On-line Capacity building of Him-Utkarsh incubatees through participatory learning approach to refine /scale up their MVP plus Practical orientation of each startup on scaling up of the MVP through offline/online Mentor-Startup linkage

Timings
Virtual interaction session from 10.30 AM to 1.30 PM through Zoom and Mentoring session from 2.30 to 5.00 pm on all working days

Dr. VK Sharma and Mr. Shakiv Pandit, BE

SN	Date	Topic	Resource person
1	13/11/2020	Inaugural session-Interaction with Incubatees on their business idea	
Mo	dule 1: Pre-i	requisites for agri-preneurship/startup development in Agriculture	and Allied sectors
2	16/11/2020	About the university and R-ABI project	1
3	17/11/2020	Dr. VK Sharma, COA	
4	18/11/2020	Understanding basicconcept of entrepreneurship development and its scope -II	Dr. VK Sharma, COA
5	19/11/2020 Understanding basicconcept of Startups and their scope in Agriculture and Allied sectors-1		Dr. VK Sharma, COA
5	20/11/2020	Dr Devesh, COVAS	
7	21/11/2020	Branding & Marketing (Competition Analysis Framework, Sales value propositions, Revenue strategy in agri-business	Dr Rajesh Thakur, COVAS
8	23/11/2020	Financial management in agri-business – Costing, Pricing, & Tools (break- even points, P+L statements), etc.	Dr. Virender Kumar, COA
9	24/11/2020	Food safety & Export standards & regulations in agri-business-Plant & Animal products	Dr YS Dhaliwal, COCS & Dr AK Panda, COVAS
10	25/11/2020	IPRs in agri-business and Procedure of filing IP types	Dr Daisy, COA
Mo	dule-II: Bus	iness model Development	
11	26/11/2020	Startup/business scope in food, agribusiness & allied technology sector: Sharing information about new scope, emerging opportunities	External Resource Person
12	27/11/2020	Understanding the factors supporting a good business model:	External Resource Person
13	28/11/2020	Design thinking for creating a sustainable and scalable model: Part1 Explaining an art of drafting successful ideas to scale up the business	External Resource Person
14	01/12/2020 Design thinking for creating a sustainable and scalable model- Part-II Explaining an art of drafting successful ideas to scale up the business Session		External Resource Person
15	02/12/2020	Understanding vision and value proposition of the business: Exploring what the business is about in a simple language	External Resource Person
	1	Solving problem through business; Ensuring scalability by approaching	External Resource Person
16	03/12/2020	problem solving attitude of any business	

		explain the target audience, segmentation and proposition	
18	05/12/2020	Solution orientation for running a successful business model: sustainable, scalable and economic business model	External Resource Person
19	07/12/2020	Revenue model of the business: Business cannot survive without liquidity hence a flawless revenue model must be drawn for a better pitch	External Resource Person
20	08/12/2020	Financial projections: Financial projections for the next five years shows clarity of approach and confidence among start up founders.	External Resource Person
21	09/12/2020	Marketing & sales channels: Claim best and sell big is the main task of these strategies which plays key role in good pitching Session	External Resource Person
22	10/12/2020	Key team members: Members are the base pillar of any good business model and plays an influential role during pitching	External Resource Person
23	11/12/2020	Technology inclusion: Investors are pumping huge amount of money in technology enabled business model.	External Resource Person
24	14/12/2020	Market analysis and competition: SWOT, PESTLE MODEL to be studied thoroughly before taking the first step	External Resource Person
25	15/12/2020	Mock test for preparing a business model along with pitch	External Resource Person
Mo	dule-III: Tip	s and tricks for effective business planning	
26	16/12/2020	Basic elements of Financial Statements and Management -Cash Flow, Balance Sheet, P&L, Funding Options for Startups	External Resource Person
27	17/12/2020	Cost Effective Marketing Strategies, Marketing Research	External Resource Person
28	18/12/2020	Creating a winning Pitch Deck, Essential Financial parameters for the project report	External Resource Person
29	19/12/2020	Financial Ratio and Industry Analysis, Costing/ Pricing of Products and Working Capital Management	External Resource Person
30	21/12/2020	Digital Marketing, Sales Value Proposition, Sales and Distribution Models for Startups	External Resource Person
31	22/12/2020	Dealer/channel management, Demo Pitch Deck presentations	External Resource Person
32	23/12/2020		External Resource Person
33	24/12/2020	Investment form process flow and milestone setting	External Resource Person
34	26/12/2020	Individual business and milestone setting mentoring of startups	External Resource Person
Mo	dule -IV: Sc	ppe of agri-preneurship/ startups	
35	28/12/2020	Agro-processing (Food & Fruits) based agri-preneurship/startups	Dr YS Dhaliwal, COCS
36	29/12/2020	Entrepreneurship in textile and apparel designing	Dr. Sapna, CCS
37	30/12/2020	Entrepreneurship in organic and natural farming	Dr GD Sharma, COA
38	31/12/2020	Entrepreneurship development in protected agriculture	Dr. Parveen Sharma
39	01/01/2021	Entrepreneurship development in mushroom cultivation	Dr Deepika Sood
40	02/01/2021	Dairy farming as an enterprise in Himachal Pradesh,	Dr. Nishant, COVAS
41	04/01/2021	Processing and Quality Standards of milk and milk products for profitable dairy venture	Dr. Sanjay Kumar, COVA
42	05/01/2021	Establishment and management of milk processing plant	Dr. B G Mane, COVAS
43	06/01/2021	Processing of meat and meat products for enhanced profits,	Dr. Dinesh Krofa, COVAS
44	07/01/2021	Management of bird farming for increased profits	Dr. Varun, COVAS
45	08/01/2021	Fish Farming a promising venture for small farmers	Dr. Madhu, COVAS
46	11/01/2021	Closing session: Feedback & Certificate distribution	3-0

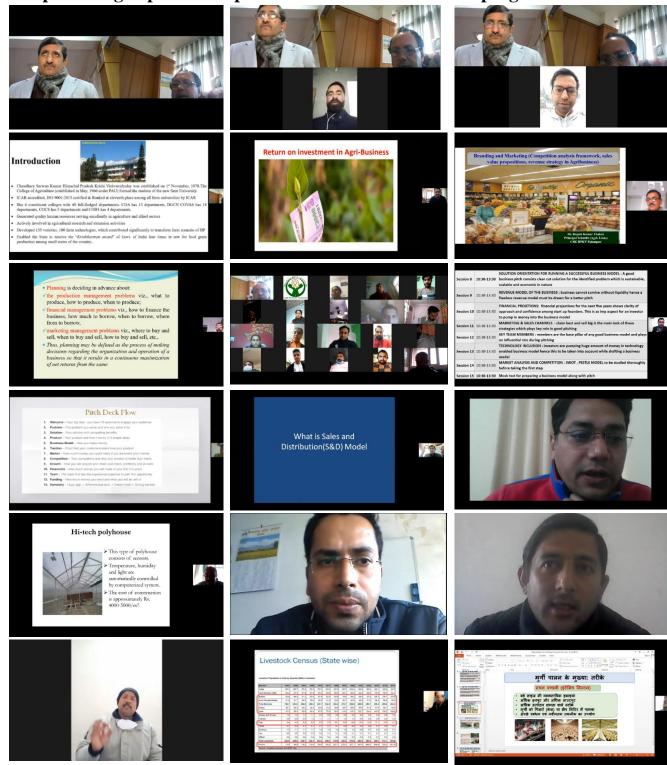
[47] [12/01/20/1] Kt.U. meeting for evaluation of performance

Note: GOI guidelines on COVID-19 protection measures will be followed in letter and spirit during offline interaction with mentors and also while participating in Field visits/ Investors Meet, if any, during the programme.

Prof VK Sharma Head/PI

- Copy to the following by Email:
 1. All the Statutory Officers for kind information and necessary action
 - 2. The CEO, Knowledge Partner, Pusa Krishi Incubator, IARI, New Delhi-110012
 - 3. All the resource persons for kind information and necessary action.
 - 4. PS to the Vice-Chancellor for the kind information of the honorable Vice-Chancellor 5. All the startups for information and necessary action

Glimpses of Agro-preneurship Orientation-cum-Incubation programme

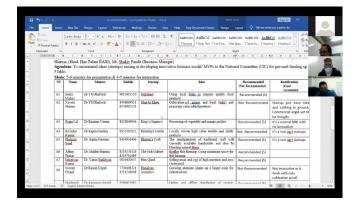


Glimpses of RIC-1 & II meetings



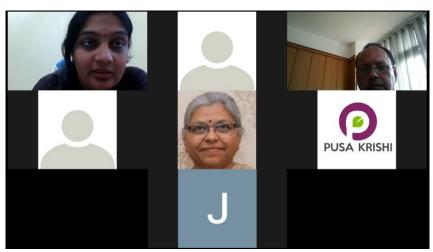






Glimpses of CIC Meeting





Setting up of major start-up milestones

- Building MVPs for pre-seed startups with fund utilization as per the GOI guidelines.
- Scaling up the business for seed startups with fund utilization as per the GOI guidelines.

Website and social media platforms

- Email ID: <u>rabihimpalam@gmail.com</u>
- Website: (http://www.hillagric.ac.in/research/dr/Him%20Palam%20R-ABI/himpalam-r-abi.htm)
- Links to Facebook, Twitter and Linkedin through Public relation unit of the university
- Also have separate accounts in:
 - o Facebook (https://www.facebook.com/himpalamrkvy)
 - o Twitter (https://twitter.com/HimPalamRabi)
 - o Linkedin (https://www.linkedin.com/in/him-palam-rabi-87112119)









PUSA KRISHI

ZONAL TECHNOLOGY MANAGEMENT & BUSINESS PLANNING AND DEVELOPMENT UNIT

ICAR-Indian Agricultural Research Institute, New Delhi- 110 012

Proceedings of the CoE Incubation Committee-Evaluation Meeting for Him-Aarambh Program and Him Utkarsh Funding of startups under RKVY-RAFTAAR in Him Palam R-ABI, CSKHPKV, Palampur by Pusa Krishi, ZTM & BPD Unit on 22 Feb 2021 at 09:45 AM onwards.

As per the letter from competent authority of RKVY Cell, MoA&FW, Centre of Excellence Incubation Committee under RKVY-RAFTAAR met for evaluation of RIC-II recommended startups under Incubation Program of Him Palam R-ABI, CSKHPKV, Palampur, under the Chairpersonship of Dr. A. K. Singh, Director, ICAR-

After 2 months of virtual workshop attended by start-ups, RIC- II was conducted on 15th January, 2021. RIC- II evaluation committe finally recommended a total of 14 start-ups for "seed stage funding (up to Rs 25 lacs) and Pre-seed stage funding (up to Rs 5 Lacs)

Proceeding of the RIC- II Meeting held on 15 January, 2021 is enclosed as Annexure-I

Committee Chairperson welcomed all the members of the CIC Committee to the meeting. The meeting was attended by:

- 1. Dr. A. K. Singh, Director, IARI, Chairperson
- Dr. Neeru Bhooshan, In-charge, ZTM&BPD Unit, IARI, New Delhi, Member Secretary Sh. A. P. Saini Joint Director (AGRL). Govt of NCT of Delhi.
- Mr. Anand Krishan, Director, RKVY representative, MoA & FW
- Dr. Lata, PS, Division of Microbiology, Member Dr. Charanjeet Kaur, PS, Div. of PHT & FS, Member
- Dr. Satish Chandra Chintamani, ED- IATFM and Financial Consultant, Member
- 8. Mr Jagadeesh. C. Sunkad, Director Kanakadhara Agricultural Innovations Pvt. Limited, Member

14 Proposals under Him Utkarsh i.e., seed stage funding and Him Aarambh i.e., Pre-seed stage funding programmes of Him Palam R-ABI under RKVY-RAFTAAR were discussed/evaluated as follows:









The Incubates were invited for 8-10 minutes presentation and then the members interacted with the Incubatees. The process of presentation was completed by the 14 shortlisted Incubates who were selected by the RABI with interviews and screening of applicants. The focus was to look at innovation and benefit to the farmers in agricultural chain. Some of the projects even though did not show any benefit to the farmer directly but it was seen that in a larger perspective of multiplication of the model, it would create indirect jobs. It is assumed that there will be value addition in the chain all the way from backward integration to market positioning. In the end, a detailed discussion with a unanimous decision was arrived at for each project based on the input from all the members. The summary of the individual Incubate, Name, Sector, Recommendation, Amount and Remarks, is given below:

S. No	Startup Name / Title of the project	Founder's name	Focus Area	Recommendation (Yes/No)	Amount Recommended (in lakhs)	Remarks
Him	Utkarsh (Seed Stage I	Funding)				
1	Back to Basics Naturals	Rahul Saxena	Food Processing	Yes	18.0	CIC committee has endorsed the RIC recommendation for Rs 18 lakhs. Startup has been working towards innovative food and health drink. The startup is advised to make a clear scale up strategy and process standardization and optimization.
	Tech Brief: Supply of	of quality food product	with innovative proce	sses.	10	
2	Hanol HydroAgri	Saurabh Rathore	Agriculture	Yes	24.0	CIC committee has endorsed the RIC recommendation for Rs 24 lakhs. Startup has been working towards hydroponics and exotic vegetables. The startup is advised to optimize its post-harvest operations and refine its distribution mechanics for scaling up.
	Tech Brief: Supplyin	ng quality vegetables th	roughout the year thro	ugh hydroponic farming	ţ.	
3	Aqua farmers	Karun Kumar	Fishery	Yes	20.0	CIC committee has endorsed the RIC recommendation for Rs 20 lakhs. Startup is working towards fishery sector along with buyback arrangement for farmers with complete supply chain management.
	Tech Brief: Modified	d bioflock fish farming				
4	Sneh Milk Products	Snehlata Sharma	Dairying	Yes	12.0	CIC approved for Rs 12 lakhs. Startup is working in dairying sector and making value added products. They were advised to standardize its operations and recipes along with necessary regulatory approvals.
	Tech Brief: Develop	ment of milk collecting	g system and milk prod	ucts.		
5	Roots	Manoj Kashyap	Farm Retailing	Yes	11.5	CIC approved for Rs 11.5 lakhs. Startup is working on providing IoT solution in dairying sector. Startup should be









						highlighting USP with importance of local hill regional milk. The startup is advised to test its app and generate volumes through it.
Him	Tech Brief: Collection Aarambh (Pre-seed S		milk in glass bottles at	loorstep.		
******	Tantamon (Fre seed S	unge r unumg)	T		1	
1.	Nutribest	Sonia Minhas	Food processing	No	=0	CIC committee did not find innovative business model in the startup.
	Tech Brief: Using lo	cal fruits to prepare qu	ality food products.			
2.	Ghar ki Kheti	Naveen Sharma	Agriculture	No	=:	CIC committee did not find innovative business model in the startup.
	Tech Brief: Cultivat	ion of ginger and basil	(tulsi) and preparing val	ue added products.		
3.	King's Organics	Pyare Lal	Food processing	Yes	5.0	CIC committee has endorsed the RIC recommendation for Rs 5 lakhs. The startup is advised to standardize its recipes and pursue for regulatory approvals.
	Tech Brief: Processi	ng of vegetable and ma	ngo pickles.			
4.	Bhuutu's Craft	Phalguni Sood	Farm retailing	Yes	5.0	CIC committee has endorsed the RIC recommendation for Rs 5 lakhs. The startup is advised to generate partnerships with tourism department and related agencies for marketing and selling of its products. It is also required to handle volumes after necessary process optimization.
	Tech Brief: The ama	lgamation of traditiona	l craft with currently av	ailable handicrafts an	d also by blending	natural fibers.
5.	The Fish Culture	Abhay Thakur	Fishery	No	-	CIC committee did not find innovative business model in the startup.
	Tech Brief: Biofloc	fish farming using min	mum space for fish farr	ning.	2	
6.	Him Quail	Sanjeevan Kumar	Animal husbandry	Yes	5.0	CIC committee has endorsed the RIC recommendation for Rs 5 lakhs. Startup is advised to work on optimization of the production protocol.
	Tech Brief: Selling 1	neat and egg of high m	strition and zero cholest	erol.		
7.	Shail's Kitchen	Shailnandini Tomar	Food processing	No	E)	CIC committee did not find innovative business model in the startup.
	Tech Brief: Online a	nd offline distribution	of organic proprietary fo	ood products.		
8.	AgriMenu	Dinesh Kumar	Agri-input tools & technologies	Yes	5.0	CIC committee has endorsed the RIC recommendation for Rs 5 lakhs. Startup is advised to develop improved financing model for price renumeration to farmers.
	Tech Brief: Develop	ing mobile application	focused on apple farmin	ng and management.		
9.	HimGrow	Arpit Rana	Farm Mechanization	Yes	5.0	CIC committee has endorsed the RIC recommendation for Rs 5 lakhs. The Startup is advised to work out on business scaling and market linkages.









Tech Brief: Growing nutritious Oyster Mushroom throughout the year.

The amount proposed for each incubatees was discussed and found to be justified in each case. It is also noted that strict time-lines in terms of milestones have been defined as per the agreement that will be signed with each incubate and funds will be released only on attainment of these milestones and in terms of payment schedule as defined in the guidelines of RKVY- RAFTAAR innovation and entrepreneurship component.

RKVY-RAFTAAR Centre of Excellence Incubation Committee (CIC) recommended 5 startups under Pre-Seed Stage Funding with funding of Rs 25,00,000 (Twenty-Five Lakhs) and 5 startups under Seed stage program with a funding of Rs 85,50,000 (Eighty-Five Lakh Fifty Thousand Only). All the fund disbursement process will be carried out at the level of Him Palam R-ABI, CSKHPKV, Palampur after approval from the Ministry on submission of the signed investment form by startups, proper due diligence and signing of agreement between startup and the incubator.

- It is proposed to release the first tranche of startups to Him Palam R-ABI, CSKHPKV, Palampur, for:

 a) Rs. 15,00,000 (Fifteen-Lakh only) for 5 (Five) startups under Pre-Seed Stage Funding (60% of total grant).

 b) Rs. 34,20,000 (Thirty-Four Lakh Twenty Thousand only) for 5 (Five) startups under Seed Stage Funding (40% of total grant)

Encl: Attendance sheet of the Committee with signatures.

(Dr. A. K. Singh) (Dr. Neeru Bhooshan)

RABI participation in Agri India Hackathon organized by Pusa Krishi, ICAR - IARI



Hello,

Agri India Hackathon, India's largest online agriculture event is launching this week. With the aim to build Smart Agriculture for Self-Reliant India, Agri India Hackathon is an open-for-all event, inviting ideas and innovations from across India. This online event will also present a platform for thousands of people to participate in the dialogues & conversations around agriculture.

Hackathon applications will be live from 31 December 2020 to 20 January 2021 at https://innovateindia.mygov.in/agriindiahackathon/

Agri India Hackathon Winners

Hello Vijay,

On behalf of the entire organizing team, mentors, speakers, jury members, evaluators, partners and our associates, we want to extend our gratitude to you for being a part of the of the Agri India Hackathon community and making it the biggest ever online Agriculture event of India.

We're excited to present you the 24 most promising ideas and innovations that participated at this event.

Please visit the following link to see the **24 winners of Agri India Hackathon** as below:

https://blog.mygov.in/winner-announcement-of-agri-india-hackathon/
All of these winners will receive a cash prize of INR 100000 (INR One lakh
only) from the Ministry of Agriculture & Farmer's Welfare through PUSA Krishi,
ICAR – IARI. Besides the cash prize, these winners will also be eligible for incubation
support, technology validation and pre-seed & seed-stage funding of 5 Lakhs & 25
Lakhs respectively subject to assessment by the independent RKVY network
incubators.

We'd like to extend our best wishes to all the winners, the shortlisted candidates as well as every applicant who contributed with their time and effort in truly achieving the dream of Atmanirbhar Bharat and building an agriculture ecosystem full of ideas & opportunities.

Agri India Hackathon Team

A brief detail of startups selected

i) Application status during 2019 -20

• Program name (Pre-Seed Stage) = Him Aarambh launch date: 31-03-2019

• Program Name (Seed Stage) = Him Utkarsh launch date: 31-03-2019

RABIs Name	Total Application Received		Total Incubated		
	Pre-Seed Seed Stage		Pre-Seed	Seed Stage	
Him Palam	79 6		6 2		
Total startups	85		8		

ii) Startup's selection status

No. of startups selected by RIC-I held on July 22 & 23, 2019 to undergo 2- month residential programme for		No. of startups selected by RIC-II held on November 14, 2019 for		No. of startups selected by CIC held on March 04, 2020 for	
Seed funding	Pre-seed	Seed funding	Pre-seed	Seed	Pre-seed
	funding		funding	funding	funding
02	15	02	09	02	06

iii) Application status during 2020 -21

• Program name (Pre-Seed Stage) = <u>Him Aarambh</u> Launch Date: 30-03-2020

• Program Name (Seed Stage) = <u>Him Utkarsh</u> Launch Date: 30-03-2020

RABIs Name	Total Application Revd		Total Incubated		
	Pre-Seed Seed Stage		Pre-Seed	Seed Stage	
Him Palam	35 17		5 5		
Total startups	52		10		

iv) Startup's selection status

No. of startups selected by RIC-I held on September 17 -19, 2020 to undergo 2- month residential programme for		No. of startups selected by RIC-II held on January 15, 2021 for		No. of startups selected by CIC held on February 22, 2021 for	
Seed funding	Pre-seed	Seed funding	Pre-seed	Seed	Pre-seed
	funding		funding	funding	funding
05	15	05	09	05	05

Selected startups during 2020-21

SN	Name of Startups	Name of Founder	Focus Area	Technology Name	Amount sanctioned (Lakhs)
Him Utkarsh					
1	Back to Basics Naturals	Rahul Saxena	Food Processing	Supply of quality food products with innovative processes.	18
2	Hanol HydroAgri	Saurabh Rathore	Agriculture	Supplying quality vegetables throughout the year through hydroponic farming.	24
3	Aqua farmers	Karun Kumar	Fishery	Modified bioflock fish farming.	20
4	Sneh Milk Products	Snehlata Sharma	Dairying	Development of milk collecting system and milk products.	12
5	Roots	Manoj Kashyap	Farm Retailing	Collection and delivery of cow milk in glass bottles at doorstep.	11.5
Him Aarambh					
1	King's Organics	Pyare Lal	Food processing	Processing of vegetable and mango pickles.	5
2	Bhuutu'sCraft	Phalguni Sood	Farm retailing	Amalgamation of GI and High Value Crops and GI and Traditional Crafts.	5
3	Him Quail	Sanjeevan Kumar	Animal husbandry	Quail farming and selling its meat and egg of high nutrition and zero cholesterol.	5
4	AgriM enu	Dinesh Kumar	Agri-input tools & technologies	Developing mobile application focused on apple farming and management.	5
5	HimGrow	Arpit Rana	Farm Mechanization	Growing nutritious Oyster Mushroom throughout the year.	5
Total					110.5

Note: First Instalment of funds for release to the selected startups received from the funding agency

Technology brief of Startups selected during 2020-21

S. No	Startup Name / Title of the project	Founder's name	Focus Area		
Him	Him Utkarsh (Seed Stage Funding)				
1	Back to Basics Naturally LLP	Rahul Saxena	Food Processing		
	Tech Brief: LIFEST brand cookies,	malt drinks, and laddus are ju	nk-free, gluten-free, vegan, and		
	made from super-foods like millets	, amaranth, barley, buckwhea	t, and many more. These slow		
	processed foods offer a unique c		crition and great taste for the		
	discerning health-conscious custom	er.			
2	Hanol HydroAgri LLP	Saurabh Rathore	Agriculture		
	Tech Brief: Hanol HydroAgri LLF				
	technology to cater to various hot				
	healthy and fresh. These are harvest				
3	Him Aquafarmers LLP	Karun Kumar	Fishery		
	Tech Brief: Him Aquafarmers LLP	makes modified artificial fish	tanks that take less land for the		
	setup. These fish tanks have the provision to maintain the temperature of tank water in hilly				
	regions in winters and obstruct wild animals, birds, reptiles entering the ponds for preying on fish				
	and fingerlings.				
4	Snehlata Milk Products LLP	Snehlata Sharma	Dairying		
	Tech Brief: Snehlata Milk Products LLP promotes milk collection system in rural Himachal by collecting fresh milk from local farmers, chilling it to 4 degrees, packaging, and then distributing it.				

5	Greenwhite Farm Foods LLP	Manoj Kashyap	Farm Retailing		
	Tech Brief: Greenwhite Farm Foods LLP provides natural, fresh, unadulterated milk to urban				
	households packed in glass bottles, delivered at the doorstep within 18 hours of milking.				
Him	Him Aarambh (Pre-seed Stage Funding)				
1.	ings Organics Pyare Lal Food processing				
	Tech Brief: Kings organics provi	Tech Brief: Kings organics provides homemade pickles of organically grown underutilized			
	vegetables using traditional recipes	without artificial preservative	s and adulteration.		
2.	Bhuutu's Crafts	Phalguni Sood	Farm retailing		
	Tech Brief: Bhuutu's Crafts pro				
	packaging for GI tagged/high-value		cal crafts that are either on the		
	verge of extinction or not available	for sale in the market.			
3.	Him Quail	Sanjeevan Kumar	Animal husbandry		
	Tech Brief: Him Quail diversifie	_	9		
	providing an alternate option that is				
	Quail farming is low input and high	output based idea with early in	ncome (3 months) for educated		
	unemployed youth.				
4.	AgriMenu Farming Technology	Dinesh Kumar	Agri-input tools &		
	Solutions Pvt. Ltd.		technologies		
	Tech Brief: AgriMenu will act as one point of contact and cater to all kinds & types of apple				
	farming management related requirements which not only makes apple farming effortless but also				
	helps in increasing productivity per acre along with enhancing the overall quality of the produce				
	which leads towards better ROI and motivates existing & new generation of farmers towards				
	apple farming.				
5.	Himgrow Mushrooms LLP	Arpit Rana	Farm Mechanization		
	Tech Brief: Himgrow Mushrooms LLP is introducing a new kind of technology (Steam				
	Pasteurizer) which can be easily adapted by small and marginal mushroom growers. The machine				
	can pasteurize dry substrate (Paddy/Wheat Straw) and can be customized as per the requirements				
	of urban and rural mushrooms grower.				

Status of startups selected during 2019-20

SN	Name of Startups	Name of Founder	TechnologyName	Amount sanctioned (Lakhs)	Amount released in first instalment	Amount to be Released in second instalment
Him	Utkarsh					
1	Hagri Innovations Pvt. Ltd.	Mr. Anirudh Thakur	Apple Grading and sorting Machine	16	6.4	6.4
2	Usas Natural and Herbal Products Pvt. Ltd.	Mr. Udhey Singh	Value added tea and coffee products	19	7.6	7.6
Him	Aarambh				•	
1	K.V Cosmetics	Ms. Khushbu Verma	Cosmetics Industry- Skin & Hair Care Products	3	1.8	1.2
2	Elen Farms LLP	Mr. Lovleet Rana	High value mushroom production from farm wastes	5	3	2
3	Healthivore	Ms. Pooja Thakur	Online niche marketing for organic producers	3	1.8	1.2
4	TECHIBABA	Mr. Puneet Thakur	online platform for quick links between farmers and customers	5	3	2
5	Balh Valley Agritech Pvt Ltd	Mr. Saurabh Saini	Online farm advisory and agri input services	5	3	2
6	Surya A2 Milk	Mr. Pardeep Kumar	A2 milk dairy	2	1.2	0.8
Tota	l			58	27.8	23.2

Note: UCs and Recommendation of RIC for the release of 2^{nd} instalment of funds to startups submitted to the funding agency

Deliverables and Outcome

As per Clause 4.6 of GOI guidelines, the R-ABI should generate the following minimum deliverables within the project period i.e. up to March 2022 to achieve the project objectives:

Sr. No.	Deliverable & Outcome	Status (Number)		
		2019-20	2020-21	
1	10-15 Agribusinesses incubated inagriculture & allied sectors	11	10	
2	Each R-ABI to help entrepreneurs toget access/license to 2-3 technologies.	2 seed startups have license	5 seed startups have license	
3	25- 30 Agripreneurs for training cuminternship for the two-month period	17	15	

Financial status (Lakhs)

Unspent Non-recurring amount = 0.01135 Unspent Recurring amount = 27.92488 Startup funds received for release = 50.4 Total = **78.33623**