



ICAR-Indian Institute of Horticultural Research,
Hesaraghatta Lake post, Bengaluru – 560 089



Institute Technology Management Unit (ITMU)

CHARGES FOR THE TRANSFER OF TECHNOLOGY OF IIHR- BIOPESTICIDES (2024-25)

Sl.No.	Name of Biopesticides	Revised charges W.E.F. 01.07.2020	
		Technology and Data for Permanent Registration 9(3) for those who have already taken 9(3b) data from ICAR-IIHR	Technology and data for Permanent Registration. 9(3)
		Without Royalty	Without Royalty
1.	IIHR- <i>Trichoderma harzianum</i> -1% W.P.	1,75,000	2,50,000
2.	IIHR- <i>Trichoderma viride</i> -1.5% W.P.	1,75,000	2,50,000
3.	IIHR- <i>Pseudomonas fluorescens</i> -1% W.P.	1,75,000	2,50,000
4.	IIHR- <i>Pochonia chlamydosporia</i> -1% W.P. (<i>Verticillium chlamydosporium</i>)	1,75,000	2,50,000

Note:

- In addition to the above mentioned license fee, GST @18% is applicable
- In addition Rs. 2000/- as training fee (If required for the client) + GST @18% is applicable

Director
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BIOTECHNOLOGY (2024-25)

Sl. No.	Item	License fee without royalty (Rs.)	Remarks
1.	Embryogenic cell suspensions for mass multiplication of Banana (cv Elakki balle)	50,000	Inclusive of training fee
2.	Primers, Methods and Kit thereof (included on 21.12.2021)	1,00,000	-

In addition to the above mentioned License fee,

- GST @18% is applicable, if not mentioned above

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Seed and Planting Materials (2024-25)

VEGETABLE CROPS

Crop	Name of the technology	License Fee (without royalty)
Tomato	Arka Samrat	4,00,000
	Arka Rakshak	4,00,000
	Hybrid 162 F1 Hybrid	3,00,000
	Advanced breeding line No. IIHR-2892 (BC1 F1-26-9-6-33-4-4-3) with resistance to-ToLCV in PKM1 fruit type	3,00,000
	Advanced breeding line No.IIHR-2611 (TV-55) with resistance to TOLCV in oblate fruit type	3,00,000
	Advanced breeding line No. IIHR-2919 (ToLCVR4-F3-206-2-1) with resistance to ToLCV in oblong fruit type	3,00,000
	Advanced breeding line No.IIHR-2920 (TOLCVR4-F3-38-1-1) with resistance to TOLCV in oblate fruit type	3,00,000
	TLBER 12-21-43-1 (ABL)	2,00,000
	TLBER 38-7-4-2 (ABL)	2,00,000
	TLBER-11-38-7 & 12-21	2,00,000
Onion	Arka Keerthiman	5,00,000
	Arka Lalima	5,00,000
	Arka Bheem	5,00,000
	MS 48	4,00,000
	MS 65	4,00,000
	Arka Swadista (White Onion)	3,00,000
	Arka Sona (Yellow Onion)	3,00,000
	Arka Kalyan (added 20.11.2021)	3,00,000
Chilli	Arka Harita (A, B & R lines 5g each)	5,00,000
	Arka Meghana (A, B & R lines 5g each)	5,00,000
	Arka Khyathi (A, B & R lines 5g each)	5,00,000
	Arka Sweta (A, B & R lines 5g each)	5,00,000
	Powdery mildew resistant Male sterile line with maintainer-MS-3 (A & B lines 5g each)	3,50,000
	Male sterile line with maintainer-MS-1 (A & B lines 5g each)	3,00,000
	Male sterile line with maintainer-MS-2 (A & B lines 5g each)	3,00,000
	Male sterile line with maintainer-MS-4 (A & B lines 5g each)	3,00,000
	Advanced breeding line with Powdery mildew resistance (5g) (PMR 14)	1,50,000
	Chilli inbred line IHR 4517	2,50,000
	Chilli inbred line IHR 4597	2,50,000

	Chilli inbred line IHR 4615	2,50,000
	CGMS line with maintainer IHR 4388/ IHR 4389	3,00,000
	CGMS line with maintainer IHR 4390 & IHR 4391	3,50,000
	CGMS line with maintainer IHR 4392 & IHR 4393	3,50,000
Brinjal	Arka Anand (BWBH-3)	3,00,000
	Bacterial wilt resistant lines in green long & manjarigota type-IIHR-3	1,00,000
	Bacterial wilt resistant lines in green long & manjarigota type-IIHR-7	1,00,000
	Bacterial wilt resistant lines in green long & manjarigota type 2-BMG-1	1,00,000
	Bacterial wilt resistant lines in green long & manjarigota type-Sel-2	1,00,000
French bean	Arka Arjun	3,00,000
	Arka Sharath	2,00,000
	Arka Anoop	2,00,000
Dolichos	Arka Soumya	2,00,000
	Arka Sambhram	2,00,000
	Arka Amogh	2,00,000
	Arka Swagath	2,00,000
Okra	Arka Nikita	4,00,000
	Okra GMS-1	3,00,000
	Okra GMS-2	3,00,000
	Okra GMS-3	3,00,000
	Okra GMS-4	3,00,000
	Advanced Breeding line IIHR-385-5-1	50,000
	Advanced Breeding line IIHR-386-7-2	50,000
Peas	Arka Priya	2,00,000
	Arka Pramod	2,00,000
	Arka Apoorva	2,00,000
Yard long bean	Arka Mangala	2,00,000
Amaranth	Arka Samraksha	2,00,000
	Arka Varna	1,00,000
Coriander	Arka Isha	1,00,000
Palak	Arka Anupama	1,00,000
Bell pepper	Advanced breeding line with powdery mildew tolerance (CPMR15 or CPMR 47) 5g	2,00,000
Black Pepper	Arka Coorg Excel	50,000
Musk Melon	Arka Siri	3,00,000
Watermelon	Arka Akash	2,00,000
	Arka Aishwarya	2,00,000
	BIL-53: A WBNV resistant prebred line of watermelon derived from <i>Citrullus lanatus ssp citroides</i> . (50 gm of seeds) (added on 13.4.2021)	3,00,000
Ridge gourd	Arka Vikram (seeds of female parent 1000 g and male parent 250 g)	3,00,000
	Arka Prasan (1 kg) (added on 13.4.2021)	50,000
Bottle Gourd	GSB resistant line BG -95(Round)	3,00,000
06.07.2022	Arka Nutan (GSB resistant line BG -114-3(Medium	3,00,000

	cylindrical))	
	GSB resistant line BG -114-1(Short cylindrical)	3,00,000
Bottle Gourd 03.01.2024	Arka Shreyas, Bottle gourd variety (club shape), GSB resistant line	1,00,000

+ 18% GST applicable for all

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MEDICINAL & ORNAMENTAL CROPS (2024-25)

Crop	Technology Name	License fee	Training fee
Crossandra	Arka Ambara	25,000	-
	Arka Shravya	25000	-
Marigold	Arka Agni	25000	-
	Arka Bangara-1	25000	-
	Arka Bangara-2	25000	-
	Arka Pari, French Marigold OP variety	25000 for 100 gm seeds	-
	Arka Madhu, French Marigold OP variety	25000 for 100 gm seeds	-
	Arka Shubha	Rs. 4 lakh for hybrid	Rs. 10,000/-
	Arka Abhi	Rs. 4 lakh for hybrid	Rs. 10,000/
	Arka Bhanu	Rs. 4 lakh for hybrid	Rs. 10,000/
Rose	Arka Savi	50000	-
	Arka Parimala	25000	-
Mucuna	Arka Shubra	10000	-
	Arka Shukla	10000	-
Ashwagandha	Arka Ashwagandha	50000	-
Tuberose	Arka Keerthana	50000 (10 Kg of bulbs)	-

+GST @ 18% for all

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FRUIT CROPS (2024-25)

Crop	Technology Name	License fee	Remarks
Guava	Arka Kiran	1,00,000	Training fee Rs. 7200 for three days/ participant (If required)
	Arka Rashmi	1,00,000	Training fee Rs. 7200 for three days/ participant (If required)
	Arka Poorna	1,00,000	Training fee Rs. 7200 for three days/ participant (If required) . Raw material to be transferred: 200 grafts
Papaya	Arka Prabhath	1,50,000	25 gm seeds
Mango	Arka Suprabhath	75,000	Raw material to be transferred: 200 grafts
	Arka Udaya Mango Hybrid (added on 17.4.2024)	75,000	Raw material to be transferred: 200 grafts
Avocado	Arka Supreme (Revised 10.9.2024)	25,000	-
	Arka Coorg Ravi (added on 10.9.2024)	50,000	Raw material to be transferred: 100 grafts
Rambutan varieties	Arka Coorg Arun	10,000	Grafted plants (10 plants/scion wood)
	Arka Coorg Peetabh	10,000	Grafted plants (10 plants/scion wood)

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POST-HARVEST TECHNOLOGIES (2024-25)

	Name of the Technology	License fee (without royalty)	Training and Demonstration Fee
Fruit RTS Beverages	RTS beverage of Mango	40,000	If three or more technologies are licensed in this cluster, the license fee will be Rs 30,000/- per technology. In addition to the above GST as applicable and Technology Demonstration fee of Rs.5000/- per technology will be applicable.
	RTS beverage of Passion Fruit	40,000	
	RTS beverage of Guava	40,000	
	RTS beverage of Pineapple	40,000	
	RTS beverage of Amla	40,000	
	RTS beverage of Watermelon	40,000	
Fruit Squashes	Mango Squash	40,000	If three or more technologies are licensed in this cluster, the license fee will be Rs 30,000/- per technology. In addition to the above GST as applicable and technology demonstration fee of Rs.5000/- per technology will be
	Pineapple Squash	40,000	
	Amla Squash	40,000	
	Grapes Squash	40,000	
	Kokum Squash	40,000	
Blended Fruit juices	Mango Papaya Beverage	40,000	In addition, training fees of Rs 5000 per technology and GST as applicable shall be charged extra
	Amla Bottlegourd Beverage	40,000	
Culinary pastes	Onion Paste	22,000	If three or more technologies are licensed in this cluster, the license fee will be Rs 20,000/- per technology. In addition to the above GST as applicable and Technology demonstration fee of Rs.2000/- per technology will be applicable.
	Garlic Paste	22,000	
	Ginger Paste	22,000	
	Green Chilli paste	22,000	
Osmotic Dehydrated Technologies	Osmotic Dehydration of Amla	50,000	If three or more technologies are licensed in this cluster, the license
	Osmotic Dehydration	50,000	

	Technology of Mango		fee will be Rs 40,000/- per technology. In addition to the above GST as applicable and Technology demonstration fee of Rs.10,000/- per technology will be applicable.
	Osmotic Dehydration Technology of Pineapple	50,000	
	Osmotic Dehydration Technology of Papaya	50,000	
	Osmotic Dehydration Technology of Banana	50,000	
	Osmotic Dehydration Technology of Guva	50,000	
	Osmotic Dehydration Technology of Jackfruit	50,000	
	Osmotic Dehydrated Anola segments with Kokum Juice	60,000	
Fruit bars	Mango Fruit Bar	50,000	If three or more technologies are licensed in this cluster , then the second and third technology will be charged at Rs 30,000/- each and Technology Demonstration fee of Rs.10000/- per technology will be applicable in addition to GST
	Papaya Fruit Bar	50,000	
	Guava Fruit Bar	50,000	
Shrink Wrap Technology	Shrink Wrap for Pomegranate	25,000	Technology demonstration charges of Rs 5000/- per technology are applicable in addition to GST. If the technologies are taken together, then the license fee will be Rs 40,000/- for the cluster, but the training/ technology demonstration fees will remain RS. 10,000 for the cluster of technologies as well.
	Shrink Wrap for Capsicum	25,000	
Wines	Flavoured Wine	35,000	In addition, training fees of Rs 5000/- and GST applicable shall be charged
	Sapota Wine	35,000	
	Banana Wine	35,000	
Other Post Harvest Technologies	Crushed tomato technology	40,000	In addition, training fees of Rs 5000 and GST as applicable
	Dried flower technology (single process, single crop & single product)	15,000	
	Dried flower technology (four processes, four crops & four products)	50,000	Single process 5000 + GST and for four processes it will be Rs.10,000 + GST

	Mushroom Fortified Rasam Powder	5,000	No training fees
	Raw Mango slice preservation in Brine Technology	15,000	In addition, training fees of Rs 2000 and GST as applicable
	Watermelon Rind Candy	20,000	
	Watermelon Rind Pickle	20,000	
	High Humidity Storage Boxes	25,000	No training fees
	Vegetable dicing tool	5,000	No training fees
Fresh Cut & Minimally processed Vegetables	Arka Minimally Processed Onion	10,000	Demonstration Charges Rs 5000
	Shelf life extension of minimally processed cabbage	10,000	Technology demonstration charges of Rs 5000/- per technology applicable. If all the technologies are licensed as a cluster, then the license fee will be Rs 50,000/- for the cluster. In addition to the above GST as applicable shall be charged. Technology Demonstration fee of Rs.10,000/- for all the eight technologies in the cluster will be applicable, if they are transferred in a cluster mode.
	Shelf life extension of fresh cut carrot	10,000	
	Shelf life extension of peeled garlic	10,000	
	Shelf life extension of minimally processed coriander leaves	10,000	
	Shelf life extension of fresh cut cucumber	10,000	
	Shelf life extension of fresh cut capsicum	10,000	
	Shelf life extension of fresh cut French beans	10,000	
	Shelf life extension of fresh cut Radish	10,000	
Add on: Approved on 12.06.2019	Arka mushroom chutney powder (all 7 types)**	25,000	Training cost included in the license fee except cost of raw materials. The licensee has to buy all the raw materials required for sample preparation of the (maximum 500 g of the ready product) product.
	Arka Mushroom groundnut chutney powder	4000	
	Arka Mushroom coconut chutney powder	4000	
	Arka Mushroom moringa leaf chutney powder	4000	
	Arka Mushroom brahmi chutney powder	4000	
	Arka Mushroom white sesame chutney powder	4000	
	Arka Mushroom black sesame chutney powder	4000	
	Arka Mushroom flax seed chutney powder	4000	
Approved on 04.10.2019	Arka Avocado Powder (Technology for production of spray dried avocado powder)	50,000	18,000

Approved on 16.12.2019	Enzyme clarified jackfruit RTD beverage (Arka Halasu Ras)	40,000	5,000
	Jackfruit seed powder based chocolate wrap (Arka Jackolate)	40,000	5,000
	Jackfruit seed powder and mushroom based biscuits/cookies (Arka Jackies)	40,000	3,000
Approved on 01.05.2020	Probiotic Pomegranate Juice	75,000	Demonstration fee Rs. 10,000/- for each (Rupees Twenty Thousand has to be paid as the cost of the culture directly to the source whose details will be divulged once the license fee is received by ICAR-IIHR and the same details will also form a part of the MoU with clear responsibilities of the culture supplier)
	Probiotic Mango Beverage	75,000	
	RTS Probiotic Pineapple Beverage	75,000	
Approved on 23. 07.2020	Arka Herbiwash	75,000	5,000
Approved 24.08.2020	Butter fruit spread	30,000	5000/-each + GST
	Butter fruit chutney	30,000	
	Arka Haagala paaniya/Rasa (RTS Bitter gourd Juice)	40,000	
Approved on 19.12.2020	Arka Mushroom iron fortifier	25,000	No training fee
Approved on 01.11.2021	Arka mushroom Nutri-Cereal cookies (all 5types)	15,000	Training cost included in the license fee except cost of raw materials. The licensee has to buy all the raw materials required for sample preparation of the (maximum 500g of the ready product) product. ICAR-IIHR will help in providing recipe, utilization of instruments, equipment's required for sample quantity preparation
	Arka Mushroom Jowar cookies	4,000	
	Arka Mushroom Maize cookies	4,000	
	Arka Mushroom Little millet cookies	4,000	
	Arka Mushroom Bajra millet cookies	4,000	
	Arka Mushroom Finger millet cookies	4,000	
Approved on 22.12.2022	Arka Floral Agarbathi and Dhoop	30,000	5,000
Added on	Arka Kamalam RTS	40,000	5,000

25.7.2023	beverage		
Added on 13.9.2023	Arka Mango Wash Technology	25,000	2,000
Added on 03.01.2024	Arka Fresh Cut Fruits Technology (Rs. 12000/- for additional fruit)	15000	Rs.5,000/- for each fruit
(added on 17.4.2024)	Arka vitamin D enrichment Technology in elm oyster mushroom	25,000	No training fee. The licensee has to buy the fresh mushrooms
(added on 17.4.2024)	Arka Ready-to-Eat (RTE) Jack Curry	1,00,000	5000
(added on 17.4.2024)	Arka RTC Tender Jack Anytime	1,00,000	5000
18% GST applicable for all			

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FARM IMPLEMENTS & MACHINERIES (2024-25)

	Name of the Technology	License fee (without royalty)	Training and Demonstration Fee
Vegetable nursery machinery	Root media sieving and bag filling unit	10,000	No
	Rooting media mixer cum bag filling machine	10,000	No
	Protray dibbler cum vacuum seeder	10,000	No
	Rooting media elevating, sieving, mixing and bag filling machine-high capacity Single unit	30,000	No
	Automatic protray dibbler cum step seeder for vegetable nursery	50,000	No
Machinery for onion cultivation	Power operated onion seed extractor	10,000	No
	Onion seeder	10,000	No
	Tractor operated onion digger cum windrower	10,000	No
	Power operated onion de-topper	50,000	No
	Power operated onion size grader	20,000	No
Mushroom spawn and cultivation machinery	Grain cleaner	10,000	No
	Grain boiler	10,000	No
	Boiled grain and chalk powder mixer cum bag filler	10,000	No
	Spawn inoculators	10,000	No
	Solar energy based paddy straw pasteurizer	10,000	No
	Solar energy based autoclave for sterilization of spawn and paddy straw	25,000	No
Raw Mango Processing machinery	Size grader	10,000	No
	Automatic Hot water treatment plant	50,000	No
	Garlic machinery- Garlic bulb breaker	10,000	No
	Power operated Watermelon seed extractor	10,000	No
	Fruit and Vegetable vending van	50,000	No
			No
Added on 11.07.2019	Arka Neelachal Mechanised Raw Jackfruit Peeler	10,000	No
Added on 19.09.2019	Arka Neelachal Fertree Drill	30,000	No

Added on 17.03.2020	Solar Power Integrated Outdoor Mushroom Growing Unit	25,000	No
	Solar power operated tricycle cart for vending ready to harvest fresh mushroom	25,000	No
	Solar power operated tricycle cart for fresh fruits and vegetable vending	25,000	No
Added on 24.08.2020	Arka Pomegranate Aril Extractor	25,000	No
	Arka Vertical Garden Model	25,000	No
Added on 25.9.2023	Arka Raised bed onion bulblet planter	20,000	No
18% GST applicable for all			

Technology Name	License Fee (with royalty)
Arka Vertical Farming Module (Added on 11.09.2024)	30,000+18% GST Royalty: 1% on sales from 1 st year of licensing

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PLANT HEALTH MANAGEMENT TECHNOLOGIES (2024-25)

Technology Name	License Fee (without royalty)
Arka Microbial Consortium (Solid)	4,00,000
Arka Microbial Consortium (Liquid)	4,00,000
Arka Microbial Consortium (Solid+ Liquid)	5,00,000
Arka Fermented Cocopeat	3,00,000
Arka Decomposer	1,00,000
Micronutrient Formulations	
Banana Micronutrient formulation	4,00,000
Vegetable Micronutrient formulation	4,00,000
Mango Micronutrient formulation	3,00,000
Citrus Micronutrient formulation	2,00,000
Grape Micronutrient formulation	3,50,000
Arka Sasya Poshak Ras	1,00,000 (No training fee)
Pheromone Traps	
Parapheromone trap for Mango	1,50,000
Arka Dorsolure F blend	5,00,000 (Training fee Rs. 10,000/-)
Arka Bactro+ blend	2,00,000
Fruit fly trapping technology in cucurbit crops for North Eastern region	40,000
Fruit fly trapping technology in orchard crops for North Eastern region	40,000
Light cum suction trap	55,000 (No training fee)
Botanical Formulations	
Neem Soap	1,50,000
Pongamia Soap	1,50,000
Other PHM Technologies	
composition to manage stem borer <i>Bactocera rufomaculata</i> and the method of preparation thereof	4,00,000
Neem Seed Powder Pellet Formulation (Add on 23.07.2020)	License fee Rs. 1,50,000/- and training fee Rs. 7500/-
Arka Eggstra (added on 13.4.2021)	5,00,000 (Training fee Rs. 10,000/-)
Arka Mealy Melt (added on 13.4.2021)	5,00,000 (Training fee Rs. 10,000/-)
Arka Cucurlure (added on 13.4.2021)	3,00,000 (Training fee Rs. 10,000/-)

In addition to the above mentioned License fee,

GST @18% is applicable

Technology Demonstration Fee is Rs 2000/- per technology for all except for Neem Soap and Pongamia Soap where the technology demonstration fee is Rs. 5000/-. Technology Demonstration Fee is Rs 10,000/- per technology for AMC.

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