



पौधा किस्म और कृषक अधिकार संरक्षण प्राधिकरण

(संसद के अधिनियम द्वारा निर्मित सांविधिक निकाय)

Protection of Plant Varieties & Farmers' Rights Authority

(A Statutory Authority Created by an Act of Parliament)

कृषि एवं किसान कल्याण मंत्रालय, भारत सरकार

Ministry of Agriculture & Farmers Welfare, Govt. of India

प्लांट अथॉरिटी भवन, निकट एन ए एस सी कॉम्प्लेक्स, डी पी एस मार्ग, टोडापुर गांव के सामने, नई दिल्ली-110012

Plant Authority Bhawan, Near NASC Complex, DPS Marg, Opp. Todapur Village,

New Delhi-110012 Village, New Delhi-110012

Tel: 011 - 25843316, E-mail:- rg-ppvfra@nic.in

F.No. PPVFRA/Legal/02/2019(Vol-II)

Dated: 29.08.2024

PUBLIC NOTICE

(06 of 2024)

The PPVFR Authority in its 38th Meeting held on 06.08.2024, has approved the Establishment and Management of Field Gene Banks (FGBs) for maintenance of Plant varieties registered under PPVFR Act, 2001. The General Guidelines for Establishment and Management and list of Field Gene Banks are enclosed.

(D.K. Agarwal)
Registrar-General

ESTABLISHMENT OF FIELD GENE BANKS BY PPVFR AUTHORITY

Background:

- i. As per Section 27 of the PPVFR Act, 2001. Seeds and planting materials of registered plant varieties are to be maintained in the National Gene Bank of the PPVFRA. The orthodox seeds of registered varieties of seed propagated crops are maintained in the National Gene Bank of the PPVFRA currently located in the ICAR-NBPGR old campus. Field Gene Bank is essentially required where propagules/planting materials of registered varieties in notified crop species can be maintained.
- ii. Out of 197 crop species notified by the PPVFR Authority, 91 species are asexually reproduced/vegetatively propagated. Till date, the Authority has received applications for 793 varieties of asexually/vegetatively propagated crops and issued certificates for 321 varieties. Applications of 472 varieties are in different stages of processing in the Plant Variety Registry and these will be registered in due course.
- iii. Planting materials/propagules of these 321 varieties already registered are to be conserved/maintained in the Field Gene Banks and planting materials of another 472 varieties, which are at different stages of processing, are required to be collected in consultation with the crop specific Principal Investigators of DUS centres, individual applicants and organisations who have endorsed/facilitated farmers' varieties. So far no systematic efforts have been made to maintain the registered varieties of asexually reproduced/vegetatively propagated crops.
- iv. The Authority has already established two Field Gene Banks, one at Regional Horticultural Research and Technology Station (RHRTS) of Dr YS Parmar University of Horticulture and Forestry at Mashobra, HP and another at Dr BS Konkan Krishi Vidya Peeth (BSKKV), Dapoli, Maharashtra. These two FGBs are maintaining reference varieties, germplasm lines/released varieties of mandated crop species in the field. However, these facilities have not been used to conserve/maintain any of the registered varieties.
- v. The Authority has a Branch office located at the campus of Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences (UAHS), Shivamogga, Karnataka. The University has provided nearly 12 acre of land which can be utilized for creating a Field Gene Bank.
- vi. ICAR Institutes located in different agro-climatic regions of the country are already conserving and maintaining crop specific germplasm collections of various vegetatively propagated crops in the field. These institutes have the required knowledge, expertise and field facility to maintain the planting materials of different varieties registered under PPVFR Act, 2001 with adequate security.

Many of these institutes are also involved in DUS testing of new/extant/farmers' varieties as per PPVFR Act, 2001.

General Guidelines:

- i. Field Gene Banks need to be established at 21 locations in different agro-climatic zones as given in **Annexure I** to accommodate all varieties of vegetatively propagated crops that are already registered or are in the process of registration, keeping in view the available field facility, expertise/experience and agro-climatic suitability. The assignment of crops to different field gene banks is subject to modification, if needed with due approval of Chairperson.
- ii. These above 21 FGBs include the existing two FGBs of the Authority located at RHRTS, Mashobra and BSKKV, Dapoli. PPVFRA will also utilize the field facility at its branch office at UAHS, Shivamogga as one of the field gene bank to effectively use the land allotted to the Authority. One of the FGBs will be located at ICFRE-IFGTB, Coimbatore to maintain the registered varieties of forestry species of mandated crops. Rest of the FGBs will be located in different ICAR institutes as given in the Annexure I.
- iii. In case of Potato, ICAR-CPRI will be required to maintain the propagules of registered varieties under *in vitro* conditions.
- iv. The establishment and maintenance of FGBs will be carried out in a project mode. Project proposals will be invited from the identified institutions which will be examined by a Review Committee constituted by the Chairperson, PPVFRA. The Review Committee will be chaired by DDG (Hort.), ICAR. The recommendations of the Review Committee will be placed before the Chairperson, PPVFRA for consideration and approval.
- v. A Memorandum of Agreement will be signed with the institutions /organizations before establishment of the FGBs. Funding support to establish and maintain the FGBs will be provided from the Authority fund.
- vi. The FGBs once established, will immediately collect and maintain the varieties already registered. Further, prior to registration of any variety, the vegetative propagules, as specified in crop wise guideline, which will be notified in the Plant Variety Journal of India, will be submitted to the FGBs by the applicant(s)/registered breeders.
- vii. In future, for registration of varieties of any new crop species, the maintenance of varieties will be assigned to the most suitable FGBs among the 21 FGBs according to agro-climatic requirements.
- viii. The performance of the centres will be monitored annually by the Review committee. This committee will be chaired by DDG (Hort.), ICAR. Release of funds to the FGBs will be effected after receipt of SOE/UC and satisfactory progress report.

- ix. There shall be an assessment after every five years under the Chairmanship of Chairperson, PPVFRA along with the Review committee. The report of the committee will be placed before the Authority for continuation of the FGBs.

Annexure -I: List of Field Gene Banks*

SI No	Institute (primary FGB)	Vegetables/ Others	Flower	Fruit	Plantation	MAP	Spice	Tuber
ICAR Hort Divn								
1	CITH, Srinagar	Garlic		Almond, Apple, Apricot, Peach, Pear, Walnut, Cherry, Japanese Plum, Strawberry, Olive, Seabuckthorn			Kalazeera Saffron	
2	IIHR, Bangalore		Tropical Orchid, Anthurium Lillium, Bougainvillea Crossandra	Mango, Custard Apple, Jackfruit, Moringa		Betelvine	Curry leaf	
3	CIAH, Bikaner and its Regional Station Godhara			Date Palm, Ber, Jamun, Indian Gooseberry, Bael, Tamarind, Chironji				
4	CISH, Lucknow			Mango, Guava, Litchi, Jamun				
5	DMAPR, Anand						Mentha, Brahmi, Damask Rose, Periwinkle Aswagandha Kalmegh, Tulsi	
6	NRC, Grapes			Grapes				
7	CCRI, Nagpur			Acid lime, Sweet orange,				

				Mandarin, Lemon, Pummelo				
8	IISR, Calicut						Turmeric, Ginger, Black pepper, Small cardamom, Cinnamon	
9	NRC Pomegranate			Pomegranate				
10	CTCRI, HQ and its Regional Station Bhubaneswar							Elephant Foot Yam, Taro, Greater Yam, Sweet Potato, Yam Bean, Cassava
11	CPRI, Shimla							Potato
12	DFR, Pune		Canna, Gladiolus, Gerbera, Jasmine, Rose, Carnation, Tuberose, Chrysanthemum					
13	NRC Banana			Banana				
14	CPCRI and its Regional Centre	Plantation Crops						
ICAR Crop Science Divn								
15	NBPGR HQ and any of its Regional Station, New Delhi				Jatropha, Shisham, Mulberry, Bael, Neem, Karanj <i>*in vitro</i> /cryo- preservation of registered varieties of some species, if required.			
16	SBI, Coimbatore	Sugarcane						

ICAR NRM Divn								
17	ICAR Research Complex for NEH Regions, Barapani and its Regional Centre(s)	Varieties of crop species that are suitable/adapted to NE India						
Indian Council of Forestry Research and Education								
18	IFGTB, Coimbatore				Teak, Eucalyptus, Casuarina, Melia			
State Agricultural University								
19	BSKKV, Dapoli			Kokum, Mango, Coconut, Spices			Nutmeg	
20	RHRTS, Mashobra			Pome/stone fruits: Apple, Pear, Peach				
PPVFRA								
21	PPVFRA Branch office UAHS, Shivamogga			Cashew, Noni	Coconut, Arecanut, Coffee, Mulberry, Cocoa			

*The allocation of crops to different FGBs may change depending on requirements