



PROTECTION OF PLANT VARIETIES & FARMERS' RIGHTS AUTHORITY
MINISTRY OF AGRICULTURE
DEPARTMENT OF AGRICULTURE & CO-OPERATION
NEW DELHI

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NEWS LETTER

Newsletter for Intellectual Property Rights in Plant Varieties

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From the Chairperson's Desk

It is my privilege to present before you the first issue of the Newsletter of the Authority for the year 2014-15. The Authority



has successfully brought out four issues of the Newsletter in the previous year and kept the readers and stakeholders updated about the activities of the Authority round the year. During the last one year the Authority has received encouraging number of applications for registration which has broken the previous record. I am happy to share that the Authority has issued record number of certificates of registration (330). The Authority had arranged a Brainstorming Session on “**Take it to Farmers the Farmers' Rights through Awareness**” at NASC Complex, New Delhi on 24 June, 2014 to take the awareness campaign vigorously for 2014-15 with the stakeholders in co-operation with the KVKs in the agro-biodiversity hotspots areas. The senior officers of the ICAR Headquarters; Directors of ICAR Research



Institutes; Project Directors of AICRP; Director, NBPGR and all the eight Zonal Project Directors were present along with some of the project coordinators of their KVKs and selected NGOs. These KVKs have indicated their full support to the Authority in the future awareness programmes in partnership with the farmers, conservers and custodian of the seeds savers. I am also glad to inform that the Authority is planning to have two more branch offices in Agro-biodiversity hotspot regions.

I am thankful to all concerned including my officers and staff for their valued support and co-operation. I am also highly impressed with the assistance rendered to the Authority by the officers and scientists of the KVKs and State Agriculture Department. I once again invite your valuable suggestions and comments, if any, for the improvement of the content and quality of the Newsletter.

(R.R. Hanchinal)
Chairperson, PPV&FR Authority



Crops ready for Registration / Notification

Bou-gainvillea	Orchids (Oncidium)	Banana	Musk-melon	Water-melon	Tea (Camellia sinensis, C. assamica & C. assamica ssp lasio calyx.
Acid lime		Mandarin		Sweet orange	

Crops guidelines under finalization

Strawberry	Peach	Plum	Custard Apple	Tuberose
Jasmine	Carnation	China Aster	Papaya	Gladiolus
Teak		Pinus		

Progress of Registry

Applications Received

Applicant wise	No. of Applications	Category wise	No. of Applications
Public	43	New	82
Private	113	Extant	72
Farmers	324	Farmers	324
		EDV	2
Total	480	Total	480

Crop wise Applications Received

Crop	Public	Private	Farmer
Apple	-	-	1
Bitter Gourd	-	15	4
Black gram	-	-	2
Bottle Gourd	-	9	4
Brinjal	3	-	2

Cabbage	1	-	1
Cauliflower	-	-	1
Chickpea	-	-	6
Coconut	6	-	-
Coriander	-	-	6
Cucumber	-	3	5
Diploid Cotton	3	-	-
Durum Wheat	2	1	-
Fenugreek	-	-	1
Garlic	-	-	2
Ginger	-	-	1
Green gram	-	-	4
Groundnut	1	-	-
Indian Mustard (Sarso)	1	-	2
Indian Mustard (Karan Rai)	-	-	1
Lentil	-	-	4
Linseed	-	-	4
Maize	-	3	11
Mango	-	-	24
Okra	3	2	-
Onion	2	-	-
Pearl Millet	-	13	-
Pigeon pea	-	-	3
Pomegranate	-	-	1
Pumpkin	-	-	4
Rapeseed (Toria)	1	-	2
Rice	14	31	222
Sesame	-	-	1
Sunflower	-	3	-
Tetraploid cotton	4	26	-
Tomato	2	5	-
Turmeric	-	-	2
Wheat	-	2	3
Total	43	113	324



Certificates issued crop-wise and category-wise

Crop	Public	Private	Farmer	Total
Black gram	-	1	-	1
Brinjal	4	-	-	4
Garden pea	1	-	-	1
Green gram	2	-	-	2
Groundnut	10	-	-	10
Mustard	22	-	-	22
Linseed	2	-	-	2
Maize	-	1	-	1
Pearl Millet	-	1	-	1
Pigeon pea	2	-	-	2
Potato	13	-	-	13
Rapeseed (Toria)	1	-	-	1
Rice	16	15	133	164
Safflower	1	-	-	1
Sorghum	7	4	-	11
Sesame	1	-	-	1
Sugarcane	1	-	-	1
Sunflower	4	1	-	5
Tetraploid cotton	2	1	-	3
Wheat	8	-	-	8
Total	97	24	133	254

Certificates issued

Public	97
Private	24
Farmer	133
Total	254

Plant Variety Journal of India

Plant Variety Journal of India for the month of April – June, 2014 was published and

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also uploaded on the website of the Authority regularly in the first working day of each month.

Meetings of the Extant Variety Registration Committee

24th Extant Variety Recommendation Committee (EVRC) Meeting at Navsari: 24th Meeting of the EVRC was held at Navsari Agricultural University, Gujarat on 27 June, 2014 under the Chairmanship of Dr. A.R. Pathak, Vice Chancellor, Navsari Agricultural University. The committee considered 29 applications of ICAR/ SAUs system as extant varieties and all the applications were recommended for registration as extant varieties.

Meeting of the Project Appraisal Committee (PAC)

- **First meeting of the Committee on Funding of Panchayats:** First meeting of the committee supporting Plant Genetic Resources (PGR) related activities was held under the Chairmanship of Dr. B.S. Dhillon, Vice Chancellor, PAU, Ludhiana at NASC Complex, New Delhi on 1st April, 2014. The Protection of Plant Varieties and Farmers' Right Act, 2001 under section 45(2) (c) and Rule 70 (2) (b) of PPV & FR Rules, 2003 envisage the expenditure for supporting *in-situ* and *ex-situ* conservation and also sustainable use of Plant Genetic Resources (PGR). The activity also includes capacity building of Panchayats and local bodies in agro-biodiversity hot-spots. PPV&FR Authority has proposed for the funding to



Panchayats and local bodies through KVKs. The Committee desired that the Authority may take immediate action for starting the activities as envisaged under the aforesaid provisions by inviting applications from KVKs, SAUs, ICAR, reputed NGOs and other stakeholders.

- **Committee for Development of General Guidelines for “On-site DUS Testing”:** Meeting of the Committee for development of general guidelines for “On-site DUS Testing”, was held at NASC Complex, New Delhi on 2nd April, 2014. The Authority has developed DUS Guidelines and notified crop specific DUS parameters and conducting of field based DUS tests. Most of the crops for which DUS tests are being undertaken are annual crops. However, in case of perennial crops, there can be an option for “On-site DUS testing”. A meeting of the above committee was convened to discuss the manner and conduct of “On-site DUS testing” for few perennial crops (like Mango, Tea, Eucalyptus, Casuarina, Apple etc.), based on the crop specific DUS test guidelines which is already been developed. Presentation was made on the manner and conduct of generalised DUS testing, proposed general guidelines for "On-site DUS testing", rule position as per PPV&FR Act, 2001, International practices followed for testing of perennial crops and basic Information for DUS testing of perennial species as per Crop Specific DUS Guidelines. The general Guidelines for “On-site DUS

Testing” was adopted after incorporating the suggestions made by the members of the Committee.

- **20th Authority Meeting:** The 20th Authority meeting was held under the Chairmanship of Dr. R.R. Hanchinal, Chairperson, PPV&FR Authority at ICAR, Board Room of NASC Complex, New Delhi on 17th April, 2014. Presentation was made by the Chairperson on the progress made by the Authority during the period from the 19th meeting (18 October, 2013) to the current one. Agenda discussed included approval of the minutes of the 22nd and 23rd EVRC meetings, DUS test guidelines of 6 crop species (*Oncidium*, Acid lime, Mandarin, Orange, Bougainvillea, Banana), refund of DUS test fee in case of withdrawing of application by the applicants, MOU between PPV&FRA and IARI for lease deed of land for office building, XII Five Year Plan EFC for PPV&FR Authority including budget provision for the years 2014-15, 2015-16 and 2016-17 and BE for the year 2014-15, Authorisation for Chairperson for approving the Annual Accounts for the year 2013-14 on behalf of the Authority, Expenditure on Award/Reward function from National Gene Fund, change in accounting policy of DUS test fee, increasing the subscription cost of the PVJ, delegation of judicial power to dispose of benefit sharing proceedings and schedule of appointing / disciplinary / appellate authority in respect of the employees of



the Authority. Meeting was attended by Dr. Sudhir Kumar Goel, Addl. Chief Secretary, Govt. of Maharashtra, DDG (CS), ICAR, Agriculture Commissioner, JS (Seeds), Dr. K.S. Charak from DBT, Dr. Usha Barwale, MAHYCO, Sh. Mayaram Nettam and Mrs. Neelam Tyagi non-official members.

Meetings of the Task Force

- **Meeting of Task Force for Validation of DUS Descriptors for Canna and Gladiolus:** The 2nd Meeting was held at NBRI, Lucknow on 29 April, 2014. Dr. R.R. Hanchinal, Dr. R.C. Agrawal & Dr. Tejbir Singh participated in the meeting. Dr. A.K. Goyal, Chief Scientist & PI, Canna and Dr. Sudharsan Kumar, Principal Scientist and PI, Gladiolus presented the draft DUS Guidelines for their respective crops before the members of the Task Force. Dr. Gautam Kalloo, Former DDG (Horticulture), ICAR Chaired the meeting. Other members Dr. U.G. Nalavadi, Former Director, Post Graduate Studies & Prof. (Horti.) UAS, Dharwad, Dr. R.L. Mishra, Former Project Coordinator, New Delhi and Dr. R.K. Roy, Sr. Principal Scientist & PI (Bougainvillea), NBRI were present. The DUS test Guidelines of Canna and Gladiolus have been finalised in the meeting on the basis of observations and comments received from the members. The Chairperson and Registrar General expressed happiness on the finalization of the said guidelines.
- **Meeting of Task Force for Validation**

of DUS Descriptors for Developing DUS Guidelines for Watermelon and Muskmelon: The final meeting of the Task Force for validation of DUS test guidelines for Watermelon and Muskmelon was held on 8 May, 2014 at NASC Complex, New Delhi under the Chairmanship of Dr. Brahma Singh, Advisor, World Noni Research Foundation (WRNF), Chennai. The other members viz. Dr. K.V. Peter, Director, World Noni Research Foundation, Dr. Mathura Rai, Former Director, Dr. S. K. Sharma, Director, Dr. D. P. Singh, Former ADG (Vegetables) ICAR, Dr. P. S. Sirohi, Former Head, Division of Vegetables, Dr. Sudhakar Pandey, Senior Scientist, Dr. B. Singh, Project Coordinator (Vegetables), Dr. B. R. Choudhary, Scientist Horticulture (Veg. Science), Dr. E. Sreenivas Rao and the officers of the Authority including Chairperson, Registrar General were also present in the meeting. In the meeting Honourable members discussed and finalize the DUS test guidelines for both the crops. Dr. B.R. Choudhary, Scientist Horticulture (Veg. Science) and Dr. Sudhakar Pandey, Senior Scientist, IIVR, Varanasi jointly made presentation.

- **Meeting on Testing of Essentially Derived Varieties (EDV):** A Meeting under the Chairmanship of Dr. D.P. Biradar, Vice Chancellor, UAS, Dharwad to discuss on technical issues involving testing of EDV for the purpose of registration under the Act was held in the Committee Room of the NAAS, New Delhi on 5th June, 2014.



The Committee has given recommendation regarding manner and method of testing of EDV filed for registration in PPV&FRA. The recommendations given would be taken under consideration by the Authority. The meeting was attended by Dr. B.M. Khadi, Director of Research, UAS, Dharwad,



Dr. S.S. Siwach, Director of Research, CCSHAU, Hisar, Dr. A.H. Prakash, PC & Head and Dr. Rathinavel, Nodel Officer, CICR, Coimbatore, Dr. Arvind Kapoor, Rasi Seed, represented the Private Seed Industry whereas, Dr. Keshav Kranti, Director, CICR, Nagpur was the special invitees. Chairman and Registrar General attended the meeting along with Registrars, Joint Registrars & other Technical Officers.

Training cum Awareness Programmes

- **Call for proposal, third cycle of benefit sharing from ITPGRFA:** A proposal

prepared for “**Community conservation, protection and sustainable use of climate resilient plant genetic resources in important food and nutritional security crops for improving livelihoods of resource-poor farmers at vulnerable agro-climatic zones in India, Bhutan, Nepal, Myanmar and Sri Lanka**” against the Third call for proposals of the Benefit Sharing fund of the International Treaty on Plant Genetic Resources for Food and Agriculture. The duration of the project is thirty six months with India being the lead institution and Bhutan, Nepal, Myanmar and Sri Lanka as country partners.

- **Training cum Awareness at BAU, Ranchi:** Dr. R.R Hanchinal, Chairperson PPV&FRA, New Delhi on 7 June, 2014 also addressed University Scientists, Plant breeders, Researchers, students and other stakeholders about provisions of PPV&FR



Act, 2001 with special focus on Plant Breeders Rights and Farmers’ Rights and also different provisions of PPV&FR Act, 2001 like registration of varieties including farmer varieties and DUS test, grow out



test, protection period, benefit sharing, compulsory license, national gene bank, field gene bank, national gene fund and different awards and rewards given to farmers for their work in conservation & preservation of Plant Genetic Resources. Students and the research fellow / faculty were keen to ask the question about Plant variety registration and breeders, researchers and farmers' rights about different awards.

Chairperson participation

- XXIX Annual Group Meeting of AICRP-National Seed Project (Crops) was held at SKUA&T, Srinagar on 26th April, 2014. Dr. R.R. Hanchinal, Chairperson Chaired Tech. Sessions VI & VII and spoke on “**Implications of Plant Variety Protection on Seed Industry**”. Later on the day he made an inspection of the DUS trials at CITH, Srinagar. During the review meeting with the Director, CITH and scientists, he interacted on several issues and also discussed with the Director (Research) for promotion and conservation activities of PGR and registration of the local farmers' varieties of Kashmir valley and Ladakh region.
- **Visit of ICAR Research Centre for Eastern Region Research Complex, Plandu, Ranchi:** The Chairperson and Registrar General along with Deputy Registrar, Ranchi visited the Research Centre for Eastern Region Research Complex Plandu, Ranchi on 7th June, 2014. Dr A.K. Singh,

Head, ICAR Research Centre welcome the visiting Guests.

- **Visit of NBPGR Regional Station, Plandu, Ranchi:** The Chairperson and Registrar General also visited NBPGR Regional Station, Plandu, Ranchi on 7 June, 2014 and inspected Germplasm collection on Bel, Jack fruit and other mandated crops of NBPGR.



Dr. A. K. Singh, ICAR Research Centre for eastern Region Research Complex, Plandu, Ranchi, Shri Ravi Pandey and Dr. Rathi, Senior Scientist, NBPGR Regional Station were also present.

- **Review Meeting at IIHR, Bangalore:** The Chairperson and Registrar General, PPV&FR Authority visited Bangalore on 12 June, 2014 in connection with a review meeting with the Director and the Principal Investigators of various projects assigned by Authority to the various departments of the institutes. Chairperson took stock of all the projects to take the first hand knowledge and progress made in each of the projects developing DUS Guidelines viz. Tuberose,

Carnation, China aster, Marigold, Jasmine, Crossandra, Amaranths, Spinach & Ridge gourd, Betel-vine, Chilli, Sweet pepper and Paprika, Custard apple and Strawberry. Chairperson also visited GKVK, UAS, Bangalore in connection with reviewing progress of work under projects assigned to them including Small millets.

- **5th Meeting of National Agriculture Board for Management of Genetic Resources of NBPGR, New Delhi:** The Chairperson, PPV&FRA made a presentation on “**Status of Gene Fund, Registration of Varieties, Geographical Indication (GI) of Basmati Rice**” in the meeting which was Chaired by Dr. R.S. Paroda, Chairman, TAAS, Haryana Kishan Ayog on 16 June, 2014 at NBPGR, New Delhi
- **Brainstorming Session on “Take it to Farmers the Farmers’ Rights through Awareness”** at NASC Complex, New Delhi



Awareness” at NASC Complex, New Delhi: The PPV&FR Authority convened a Brainstorming Session on “**Take it to Farmers the Farmers’ Rights through Awareness**” on 24 June, 2014 at NASC Complex, New Delhi. Dr. S. Ayyappan,



Director General, ICAR & Secretary, DARE was the Chief Guest at the inaugural function. Dr. Sanjay Rajaram, Dr. A.K. Sikka, DDG (Extension), ICAR, Dr. Atanu Purkayasta, Joint Secretary (Seeds), DAC, Dr. Prem N. Mathur, Regional Director, Asia-Pacific, Bioversity

International were the Guests of Honours. At the inaugural function Dr. S. Ayyappan felicitated Dr.



Sanjay Rajaram, who has been chosen for a prestigious and coveted World Food Prize for the year 2014. Dr. Sanjay Rajaram is an eminent plant breeder, International Agricultural Scientist, great scholar and mentor, headed wheat breeding project at International Centre for Wheat & Maize (CIMMYT) for several decades. He has closely Worked with Dr. N.E. Borlaug, a Noble Laurete. Our Laurete has developed 480 high yielding diseases and stress resistant wheat varieties that have been grown on 58 million hect. in 51 countries. Thus, increasing World Wheat Production by more than 200 million tons. On this



occasion the Zonal Project Directors of all the 8 zones of the country attended meeting along with the Director of Extensions of the SAUs, Director of Research, Directors of the ICAR Institutes & Representatives from MSSRF, BAIF, DRI, Chitrakoot and NSFI, Gurgaon. The objective of the Brainstorming Session was to disseminate the awareness of the farmers' rights in the PPV&FR Act to the grass root level and make the PPV&FR Act farmer centric. Custodian farmers, seed savers and tribals are one the main stakeholders and to educate them about their rights is the essential for their welfare. To achieve the above objectives, the Authority requires the support and co-operation of all the extension machinery of the ICAR & the DAC and in particular the KVKs which are mostly available in all the districts.

The Authority acknowledges the importance of partnership and synergies of different stakeholders including KVKs who are providing technological solutions and extension mechanism for agriculture development. KVKs are playing a very important role in expending its reach for generating and disseminating new knowledge to its wide range of stakeholders in the production and food value chain. During the day long session the strategies were framed under the guidance of Dr. A.K. Sikka, DDG (Extension), ICAR to involve the KVKs particularly in the agrobiodiversity hot spots for expediting the

awareness about the PGSC awards, rewards & recognitions, registration of the farmers varieties, benefit sharing and compensation. DG, ICAR and DDG (Extension) assured their full co-operation to the Authority.

Three publications (two publications brought out by Authority and one by ZPD, Jabalpur) were released during the Brainstorming session:

1. Take it to the Farmers – The Farmers' Rights through awareness
2. Manual on Registration of Farmers' varieties
3. Steps Ahead Farmers' Rights with PPV&FRA and ZPD

Recommendations

- Initiate mega projects like NICRA or NAIP for conservation of farmers' varieties.
- Involve Director of Research and Director of Extension for documentation, collection and conservation of farmers' varieties.
- There is a need to establish Community Gene Banks by PPVFR Authority in collaboration with other stakeholders, so that the seeds of traditional varieties could be conserved, multiplied and also popularized and made available to the farmers.
- There is a need for strengthening and networking of Community Seed Banks.
- Train the scientists and farmers through awareness programmes for documentation,

conservation and registration with PPV & FR Authority of varieties

- Provide financial support to seven awardees of Plant Genome Saviour Community for further conservation of Agro-biodiversity of their jurisdiction.
- Main-streaming of farmers' varieties & establishment of Community Seed Banks in NEH Region, Central India: Bastar Region, Bundelkhand, Western Ghats: Thane, Nandurbag, Western Arid Zone: Jodhpur, Himalayan Region: Himachal Pradesh and J&K including Korias and Surguja area with the financial support from PPVFRA, Bioversity International and other organizations.
- केन्द्रीय उपोष्ण बागवानी संस्थान, लखनऊ अनेक साझेदारों के साथ दिनांक 28 एवं 29 जून, 2014 को आम में मूल्य श्रृंखला प्रबंधन के सहभागिता मुद्दे, आम विविधता एवं किसान गोष्ठी विषय पर दो दिवसीय सेमिनार का आयोजन किया। इस सेमिनार का विषय-वस्तु आम की मूल्य श्रृंखला को सक्षम बनाने हेतु इसके उत्पादन, तुड़ाई पूर्व एवं आपूर्ति श्रृंखला प्रबंधन से संबंधित समस्याओं का विश्लेषण कर निदान करना प्रासंगिक एवं समयानुकूल है। इसके अंतर्गत राष्ट्रीय एवं विश्व स्तर की उत्पादकता, गुणवत्ता एवं खाद्य सुरक्षा से संबंधित मुद्दों पर विमर्श किया। भारतीय परिदृश्य में बृहत स्तर पर लघु जोत वाले बागवानों, सजग उपभोक्ताओं वाले घरेलू बाजार तथा विश्व स्तर पर व्याप्त खाद्य सुरक्षा एवं संगरोध की समस्याओं का समाधान करने की आवश्यकता पर जोर दिया। स्पष्ट रूप से ये सभी विकट चुनौतियाँ मूल्य श्रृंखला को सक्षम बनाने हेतु बेहतर उत्पाद गुणवत्ता प्रबंधन के द्वारा समस्याओं का समाधान किया जा सकता है। उपरोक्त बैठक में डा. आर. आर. हंचिनाल, अध्यक्ष, पौधा किस्म कृषक अधिकार

संरक्षण प्राधिकरण, नई दिल्ली माननीय अथिति के रूप में उपस्थित रहे। उन्होंने अपने अध्यक्षीय भाषण में वैज्ञानिकों एवं आम के कास्तकारों को पौधा किस्म एवं कृषक अधिकार संरक्षण अधिनियम के प्रावधानों के विषय में जानकारी प्रदान की। इस बैठक में वैज्ञानिकों ने आम उत्पादन के क्षेत्र में विभिन्न विषयों पर व्याख्यान प्रस्तुत किए।

Registrar General participation

- **Participation in Ad-hoc Open ended Working Group of the ITPGRFA at Geneva, Switzerland:** Dr R.C. Agrawal, Registrar General was nominated by the Department



of Agriculture and Co-operation, Ministry of Agriculture, Govt. of India for participating in the said meeting and consultations which was held at Geneva, Switzerland from 13-16 May, 2014. The delegation from India was led by Dr. Atanu Purkayasta, Joint Secretary (Seeds). Director, NBPGR also participated in the meeting. The meeting focussed on enhancing the functioning of the Multilateral System (MLS) of Access and Benefit-Sharing (ABS) fund, work undertaken by the Ad-hoc Committee on the Funding Strategy and its development, revisiting the SMTA, methodology for



enhancing monetary benefit sharing and creating strategies for future meetings of the Working Group.

- Dr. R.C. Agrawal participated as expert in a meeting related to “Database Design for the data generated through Maharashtra Gene Bank activities” at Indian Institute of Science Education and Research, Pune from on 22 May, 2014.

Foreign Visitors

- **Meeting with Dr. Kent J. Bradford, Distinguished professor from University of California, USA:** Dr. Kent J. Bradford,



Distinguished professor from University of California, USA had a courtesy call to the Chairperson, PPV&FRA on 26 May, 2014. Both the scientists, discussed the issues of mutual interest relating to the implementation of Protection of Plant Varieties and Farmers’ Rights Act and conservation & sustainable use of Plant Genetic Resources. Dr. Bradford showed to Chairperson P and Registrar General, sample of the humidicator (indicator for relative humidity) that they were promoting

for use in the test fields and also a software “Drying beads calculator”, which is also available on their website.

- **Meeting with Dr. Sanjay Rajaram:** Dr. Sanjay Rajaram, India born and Mexican citizen, has been chosen for a prestigious and



coveted World Food Prize for the year 2014 visited Chairperson, PPV&FR Authority on a courtesy call on 23 June, 2014. He is an eminent plant breeder, International Agricultural Scientist, great scholar and mentor, who headed wheat breeding project at International Centre for Wheat & Maize (CIMMYT) for several decades and closely worked with Dr. N.E. Borlaug, a Noble Laurete. Our Laurete has developed 480 high yielding diseases and stress resistant wheat varieties that have been grown on 58 million hect. in 51 counties increasing World Wheat Production by more than 200 million tons.

News from Branch offices

Guwahati

Applications Received:

One hundred forty five applications were

received at the branch office during the period and the same were sent to Headquarters for further necessary action.

- **Regional Workshop of Bioversity International:** A regional workshop on project entitled “**Mainstreaming agro biodiversity conservation and utilization in agricultural sector to ensure ecosystem services and reduce vulnerability**” was jointly organized by PPV&FR Authority and Biodiversity International on 2 May, 2014 at Hotel Gateway Grandeur, G.S Road, Guwahati.

The workshop was attended by Dr. R.R. Hanchinal, Chairperson, PPV&FRA, New Delhi, Dr. P.N. Mathur, Regional Director



of Bioversity International, New Delhi, Mr. T.K. Madan of Bioversity International, Dr. V. Ramanatha Rao and Dr. M. Dadlani, Consultants, Bioversity International, Dr. D.K. Hore, Consultant, ISBD, Imphal, Dr. I.S. Bisht, Principal Scientist, NBPGR, New Delhi.

The workshop was also participated by distinguishing scientists and leading NGOs of the North Eastern Region including Dr. H.C. Bhattacharyya, Director of Extension Education, A.A.U Jorhat, Dr. B.C. Deka, Joint

Director, ICAR, Nagaland, Dr. A.K. Patnayak and Dr. P.K. Barua, Head, Department of Plant Breeding and Genetics of ICAR Umiam and A.A.U Jorhat respectively, Programme Co-ordinators and scientists of the North Eastern States also attended the workshop. The participants finalized three sites at Assam and Nagaland for the proposed project.

- **Meeting with Vice Chancellor, Assam Agricultural University:** Dr. R.R. Hanchinal, Chairperson, PPV&FRA accompanied by Dr. P.N. Mathur and Dr. A.C. Sarma attended a discussion with Dr. K.M. Bujarbaruah, Vice Chancellor, A.A.U. Jorhat at his office at Khanapara on 2 May, 2014. Discussions was centred on Grow out Tests of farmers varieties of rice, registration of varieties and other technical matters relating to branch office. Chairperson appreciated for his support & co-operation to the Authority and its branch office. The Vice Chancellor assured his all possible co-operation.
- **Visit to ICAR Research Complex for NEH Region, Manipur Centre, Lamphelpat, Manipur, Imphal:** Dr. A.C. Sarma, Deputy





Registrar and Dr. Ravi Prakash, Registrar visited ICAR **Research Complex for NEH Region, Manipur Centre**, Manipur in connection with Grow Out Test (GOT) of Farmers varieties at ICAR Manipur from 5-8 May, 2014. A new GOT Centre has been started at ICAR Manipur. Discussion was also held with the farmers and farming communities for facilitation of registration of farmers varieties from the state of Manipur. Dr. R.K. Ronendra Singh, Secretary General, All Manipur Trained Medicinal and Aromatic Plants Promoters Consortium (AMAPCON) also accompanied. Dr. N. Prakash, Joint Director, ICAR **Research Complex for NEH Region, Manipur Centre**, Manipur and the scientists of the Research Centre took keen interest for GOT.

- **Visit to NECR, Dergaon, Assam:** Deputy Registrar visited North East Centre for Rural Livelihood Research (NECR), Dergaon,



Assam on 30 May, 2014 and discussed with Mr. Bhashkar Jyoti Mahanta, Convener, NECR and other office bearers regarding filing of applications for registration for their conserved rice varieties.

- **Visit to DUS Test Centre (Rice):** Deputy Registrar visited Assam Agricultural University, Jorhat on 31 May, 2014. A



discussion was held with Dr. P. Borah, Nodal Officer DUS Test for rice and other scientists for Grow Out Test of farmers varieties of rice.

A discussion was also held at the office chamber of Dr. G.N. Hazarika, Director of Research, Assam Agricultural University,



Jorhat where Dr. P. Borah Nodal Officer and Dr. Akashi Sarma, and Co Nodal Officer, Dr. P.K. Baruah, Professor and Head Plant Breeding and Genetics, AAU, Jorhat took part in the discussion. Director of Research of AAU, Jorhat suggested the scientists for smooth running of the Grow Out Test.



- **Visit to ICAR Nagaland:** Deputy Registrar visited ICAR Nagaland, Jharnapani on 5 June, 2014 in connection with GOT of farmers varieties of rice at the newly created centre. Dr. Bidyut C. Deka, Joint Director, ICAR Nagaland, Dr. Anamika Sharma, Programme Co ordinator and Dr. Kalam Rabi, SMS (Agron) of KVK Dimapur took part in discussion and assured all co operation for GOT of farmers varieties of rice.

Ranchi

Applications Received:

Farmer Variety Applications: During reporting period, the Branch office Ranchi has received 9 applications of farmers' varieties and these were forwarded to the Protection of Plant Varieties & Farmers' Rights Authority (PPV&FRA), Headquarters after initial examination for further processing.

Seed Sample Received:

During reporting period, the Branch office Ranchi has received 126 (one hundred twenty six) seed sample of different crops in prescribed quantities. The detailed information about seed samples are as under:

S. No	Crop	No. of varieties	Place for GOT
1	Rice	65	Central Research Rice Institute (Rice), Cuttack, Odisha and Indira Gandhi Krishi Vishwavidyalaya (IGKV), Raipur (Chhattisgarh)

2	Tur-meric	04	Indian Institute of spices Research, Kozhikode (Calicut) Kerala and in Field Gene Bank, Birsa Agricultural University, Ranchi (Jharkhand).
3	Rice	54	National Gene Bank, New Delhi.
4	Maize	06	-do-
5	Black Gram	06	-do-
6	Indian Mustard	03	-do-
7	Wheat	02	-do-
8	Ground-nut	01	-do-
9	Pearl Millet	01	-do-
10	Brinjal	01	-do-
11	Chick-pea	01	-do-
12	Red Gram	02	-do-
13	Lentil	01	-do-
14	Garlic	01	-do-
Total		148	

Besides, Divyayan KVK, Morabadi, Holy Cross KVK, Hazaribagh, Bihar Agricultural University (BAU), Sabour has submitted seed samples to branch office and KVK, Saran directly to the Delhi Hqrs.

- **Participation in Training Cum-Awareness Programme:** Kisan Ghosti organized at Gram-Sadam, Panchyat-Sadam, and at another Gram-Bariatu, Panchyat- Bariatu, in Gola Block, Ramgarh, Jharkhand on 7 April, 2014 by Agricultural Technology



Management Agency (ATMA) Dept. of Agriculture, Jharkhand

The Deputy Registrar delivered lecture on different provisions of PPV&FR Act, 2001 like registration of varieties including farmers'



variety and DUS test vs. GOT, protection period, different farmers rights, benefit sharing, compulsory license, national gene bank, field gene bank, national gene fund and different awards and rewards given to farmers for their work in conservation & preservation of plant genetic resources. The farmers were very interested in the registration of varieties, farmers presents in the training programme have also shown their enthusiasm about registration of farmers' varieties and Plant Genome Saviour Community award and Plant Genome Saviour Farmer reward and recognition. At the end, there was an interaction session where, farmers asked clarifications on several key areas about farmer variety registration and different kinds of awards and recognitions.

- **Visit of Field Gene Bank at Birsa Agriculture University, Ranchi:** During the reporting period, Deputy Registrar



visited Field Gene Bank established at Birsa Agriculture University Campus, Ranchi along with Dr. R.P. Singh, Principal Investigator of the project / Director (Seed & Farms), Birsa Agriculture University (BAU), Ranchi. The Chairperson and the Registrar General were also were present and inspected the Field Gene Bank on 6-7 June, 2014. The mandated crops are mango, aonla, citrus, guava and banana for Eastern region assigned to the Field Gene Bank. The detail of collections is given in the box.

The varieties for citrus and banana were collected for the projects are doing well. After the completion of DUS testing in 2014-15, DUS testing in some varieties of mango and banana shall be taken up by the BAU Ranchi. One farmer's variety of mango "Chitranjan" has been planted in field gene bank for the GOT.

Crops	No. of varieties
Mango	43
Banana	30
Citrus	06

- **Coordination with Organizations for Providing Utilization Certificates (UCs):** The branch office Ranchi has made efforts



for collecting Utilization certificates (UCs) for funds released by Authority for Training-cum-Awareness programme to different organisations including KVKs. The organisation / Institutes which were contacted for receiving Utilization certificates (UCs) included National Research centre for Women in Agriculture (NRCWA), Bhubaneshwar. Krishi Vigyan Kendra (KVK), Saran and KVK, Gopalganj have also submitted the UCs which in turn sent to Hqrs. The remaining 17 other centres/ KVKs / Birsa Agriculture University, Kanke and Sabor Campus were also approached to expedite the audited UCs on or before 30 June, 2014 to facilitate early audit of the account of the Authority.

- **Coordination for Collecting Seed samples:** The branch office Ranchi has made sincere efforts for collecting seed samples from

different stakeholders to expedite timely seed supply for conducting GOT by the designated centres.

ISO 9001:2008

The Authority has issued an Expression of Interest for ISO 9001:2008 for Authority.

E-governance

The Authority has submitted a project proposal of e-Governance in the Authority to the DAC.

RTI

During the April - June, 2014, Authority received four applications either directly or through transfer from other Departments seeking information under RTI Act, 2005. The information sought was made available within the stipulated time.



Crop species under Registration (79)

Sl	Crop species	Botanical name
1.	Rice / चावल	<i>Oryza sativa</i> L
2.	Bread wheat/ गेहूँ (चपाती)	<i>Triticum aestivum</i> L.
3.	Durum wheat / डूयरम गेहूँ	<i>Triticum durum</i> Desf.
4.	Dicoccum wheat/ डिकोक्कम गेहूँ	<i>Triticum dicoccum</i> L.
5.	Other Triticum / ट्रिटिकम प्रजातियाँ	<i>Triticum species</i>
6.	Maize/ मक्का	<i>Zea mays</i> L.
7.	Sorghum/ ज्वार	<i>Sorghum bicolor</i> (L.) Moench
8.	Barley / जौ	<i>Hordeum vulgare</i> L.
9.	Pearl Millet/ बाजरा	<i>Pennisetum glaucum</i> (L.) R. Br.
10.	Chickpea / चना	<i>Cicer arietinum</i> L.
11.	Mungbean / मूंग	<i>Vigna radiata</i> (L.) Wilczek
12.	Urdbean / उड़द	<i>Vigna mungo</i> (L.) Hepper
13.	Fieldpea / मटर	<i>Pisum sativum</i> L
14.	Kidney bean/ राजमा	<i>Phaseolus vulgaris</i> L.
15.	Lentil / मसूर	<i>Lens culinaris</i> Medik
16.	Pigeon pea/अरहर	<i>Cajanus cajan</i> (L.) Millsp
17.	Indian mustard/ सरसो	<i>Brassica juncea</i> L. Czern & Coss
18.	Karan rai / राई	<i>Brassica carinata</i> A Braun
19.	Rapeseed/ रेप्सीड	<i>Brassica rapa</i> L
20.	Gobhi sarson/ गोभी सरसों	
	Brassica napus L.	

Sl	Crop species	Botanical name
21.	Groundnut/ मूंगफली	<i>Arachis hypogaea</i> L.
22.	Soybean/ सोयाबीन	<i>Glycine max</i> (L.) Merrill
23.	Sunflower/ सूरजमुखी	<i>Helianthus annuus</i> L.
24.	Safflower/ कुसुम	<i>Carthamus tinctorius</i> L.
25.	Castor / अरंडी	<i>Ricinus communis</i> L.
26.	Sesame / तिल	<i>Sesamum indicum</i> L.
27.	Linseed / अलसी	<i>Linum usitatissimum</i> L.
28.	Diploid Cotton / कपास (द्वगुणित)	<i>Gossypium arboreum</i> L. <i>Gossypium herbaceum</i> L.
29.	Tetraploid Cotton / कपास (चतुर्गुणित)	<i>Gossypium hirsutum</i> L. <i>Gossypium barbadense</i> L.
30.	Jute / पटसन	<i>Corchorus olitorius</i> L. <i>Corchorus capsularis</i> L.
31.	Sugarcane / गन्ना	<i>Saccharum</i> L.
32.	Black pepper / काली मिर्च	<i>Piper nigrum</i> L.
33.	Coriander/ /निया	<i>Coriandrum sativum</i> L
34.	Fenugreek/ मेथी	<i>Trigonella foenum gnuscurn</i> L.
35.	Turmeric / हल्दी	<i>Curcuma longa</i> L.
36.	Ginger /अदरक	<i>Zingiber officinale</i> Rosc.
	Small cardamom/ छोटी इलायची	<i>Elettaria cardamomum</i> Maton
37.	Tomato / टमाटर	<i>Lycopersicon lycopersicum</i> (L.) Karsten ex. Farw.
38.	Brinjal / बैंगन	<i>Solanum melongena</i> L.



Sl	Crop species	Botanical name
39.	Okra/ भिन्डी	<i>Abelmoschus esculentus</i> (L.) Moench
40.	Cauliflower / फूल गोभी	<i>Brassica oleracea</i> L. var. <i>botrytis</i>
41.	Cabbage / पत्ता गोभी	<i>Brassica oleracea</i> var. <i>capitata</i> L.
42.	Bitter Gourd/ करेला	<i>Momordica charantia</i> L.
43.	Bottle Gourd/ लोकी (घिया)	<i>Lagenaria siceraria</i> (Mol) Standl.
44.	Cucumber/ खीरा	<i>Cucumis sativus</i> L.
45.	Pumpkin/ कद्दू	<i>Cucurbita moschata</i> Duch. ex Pair.
46.	Potato / आलू	<i>Solanum tuberosum</i> L.
47.	Onion/ प्याज	<i>Allium cepa</i> L.
48.	Garlic/ लहसून	<i>Allium sativum</i> L.
49.	Rose/ गुलाब	<i>Rosa</i> spp. other than <i>R. damascena</i>
50.	Crysanthemum / गुलदाउदी	<i>Chrysanthemum</i> L.
51.	Mango / आम	<i>Mangifera indica</i> L.
52.	Pomegranate/ अनार	<i>Punica granatum</i> L.
53.	Apple/ सेब	<i>Malus domestica</i> Borkh
54.	Pear/ नाशपाती	<i>Pyrus communis</i> L.
55.	Grapes/ अंगूर	<i>Vitis</i> spp.
56.	Indian jujube (Ber) / बेर	<i>Ziziphus mauritiana</i> Lamk.
57.	Apricot/ खुबानी	<i>Prunus armeniaca</i> L.
58.	Cherry/ चेरी	<i>Prunus avium</i> L.

Sl	Crop species	Botanical name
59.	Almond/ बदाम	<i>Prunus dulcis</i> (Mill.) D.A. Webb
60.	Walnut/ अखरोट	<i>Juglans regia</i> L.
61.	Isabgol / इसबगोल	<i>Plantago ovata</i> Forsk.
62.	Menthol Mint / पुदिना	<i>Mentha arvensis</i> L.
63.	Damask Rose/ गुलाब (इत्र)	<i>Rosa damascena</i> Mill
64.	Periwinkle / सदाबहार	<i>Catharanthus roseus</i> L. G Don
65.	Brahmi / ब्राह्ममी	<i>Bacopa monnieri</i> L. Pennell
66.	Coconut / नारियल	<i>Cocos nucifera</i> L.
67.	Bamboo Leaf Orchid or Boat Orchid/ साइमबिडम	<i>Cymbidium</i> Sw.
68.	Spray Orchid or Singapore Orchid/ जीवन्ती	<i>Dendrobium</i> Sw.
69.	Vanda or Blue Orchid/रसना	<i>Vanda Jones ex R. Br.</i>
70.	Orchid/ आर्चिड	<i>Gallon</i> Lindl.
71.	Orchid/ मोथ आर्चिड	<i>Phalaenopsis</i> Blume
72.	Eucalyptus/ सफेदा	<i>Eucalyptus comaldulensis</i> Dehmb. and <i>Eucalyptus tereticornis</i> Sm..
73.	Casurina/ जंगली सरु	<i>Casuarina equisetrolia</i> L. and <i>Casuarina funghuincoso</i> Miq.



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