

# Island Agriculture



CENTRAL AGRICULTURAL RESEARCH INSTITUTE  
Port Blair-744 101, Andaman & Nicobar Islands

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## CARI NEWSLETTER

### Central Agricultural Research Institute (CARI) renamed as Central Island Agricultural Research Institute (CIARI)

Central Agricultural Research Institute (CARI) in this year of XII five year plan, has been re-named as Central Island Agricultural Research Institute (CIARI) and it is high time for Institute to capitalize its own research foundation and the cumulative strength as a member of NARS to be a model for tropical Island agriculture research to the South East Asian countries in short term and entire world, in long term.

### Meeting of Stakeholders - Roles of Custodian Farmers in Conservation, Use and Dissemination of Agricultural Biodiversity conducted

Custodian Farmers' Meet was conducted at Central Island Agriculture Research Institute (CIARI), Port Blair on 19<sup>th</sup> March, 2014 in collaboration with Bioversity International with a purpose to develop understanding of the roles of custodian farmers in conservation, use and dissemination of agricultural biodiversity in Island ecosystem, to highlight their contribution to the National repositories of genetic resources system and overall sustainable agricultural development including traditional knowledge and to raise their visibility and recognition in the genetic resource management field.



The meeting also aimed to bringing together custodian farmers as well as resource persons from mainland of India to share experiences, develop a methodology to identify custodian farmers, debate challenges faced by such farmers and to discuss ways to strengthen and/or support their invaluable contributions to society.

It is expected to contribute to raise visibility of custodian farmers at National and International levels, and produce options/recommendations to policy makers for developing a more enabling environment for on-farm conservation efforts.

The Chief Guest, Dr. N.K. Krishna Kumar, DDG (Hort.), ICAR, New Delhi inaugurated the meet. In his inaugural address he emphasized the role of different species in representing diversity by citing various examples across the Nation and world. Further he emphasized to encourage the inherent capacity in conserving the diversity of the stakeholders. He concluded his speech by

complimenting the institute for getting renamed as Central Island Agriculture Research Institute (CIARI), which will give better recognition to the institute both at National and International arena for being Island specific. He also released publications on Indigenous mangoes of Chittor (Andhra Pradesh), Custodian farmers of Andaman and Nicobar Islands and Database on Horticulture Biodiversity of the Islands. Earlier DDG (Hort.) also inaugurated Food Process Engineering Laboratory and ASRB Online Examination Centre of the Institute in presence of Dr. R.C. Agrawal, Registrar General, PPV& FRA, Ministry of Agriculture, New Delhi.

Dr. Prem Mathur, Regional Director, Bioversity International, Dr.S.B. Dandin, Vice Chancellor, University of Horticulture Sciences, Bagalkot, Dr. R.C. Agrawal, Registrar General, PPV& FRA, Ministry of Agriculture, New Delhi and Dr. Bhuwon Sthapit, Regional Project Coordinator, Bioversity International, Dr.C.K. Narayana, Director, IIHR, Bangalore, Prof. P.L.Saroj, Directorate of Cashew Research, Puttur, Karnataka and Dr. V.A. Parthasarathy, National Project Coordinator, NPMU, UNEP-GEF-TFT also spoke on the occasion.

Custodian farmers from mainland namely Shri T. Chandrasekara Reddy, Chittoor Site, Andhra Pradesh and Shri K. Ramamurthy Reddy, Chittoor Site, Andhra Pradesh for conserving indigenous mangoes and from Islands Shri Berack Johnson S/O Shri. Johnson, Tuhet: Othangtin, Village: Kinmai, Car Nicobar for "Nicobari fowl". Shri Benjamin John S/O Shri. John Tuhet : Taira (8 Family), Village: Mus, Car Nicobar for "Nicobari pig", Shri Rufus Mark S/O Shri Mark Tuhet: Chuomiyam, Village: Kinyuka, Car Nicobar, "Teresa goat", Rev. Saw Saytha, President, Karen Welfare Association, Mayabunder, North Andaman for "Khushbayya Rice, Black Burma Rice, White Burma Rice, Mushley Rice, Nyawin Rice", Mr. Unnin, President, Malabar Coconut cooperative Society (P)Ltd, Kurumadera for "Andaman Ordinary Tall, Andaman Giant Tall and Andaman Dwarfs", Shri Aberdeen Blair, Chairman, Tribal Council, Car Nicobar for "Achin Yam (Nicobari Aloo), Paltu Yam (Nicobari Aloo)", Mr. A. James, Kinmai, Car Nicobar for "Kewada", Mr. Israel, Mus, Car Nicobar for Noni, Shri Manindra Mistry Deshbandhugarm, Diglipur for "Khoon Phal" and Mr. Chintaharan, Neil Islands for "Blue Mango" were honoured with citation during the event.

The event was followed by technical session involving custodian farmers to consolidate the role of custodian farmers. At the outset Dr. S. Dam Roy, Director, CIARI, Port Blair and Chairman of the event welcomed the dignitaries, invitees and custodian farmers from mainland and Island and Dr. R.K. Gautam, HoD, Field Crops and

Co-Chairman proposed vote of thanks. Dr.S.K. Zamir Ahmed, Organizing Secretary along with Dr. M. Sankaran and Dr. Jai Sunder, Joint Organizing Secretary coordinated the overall conduct of the programme.

## National Science Day (NSD) by CIARI

National Science Day was conducted by the Institute under the theme "Fostering Scientific Temper" in honour of Nobel laureate and great Indian Physicist Sir C.V. Raman for his discovery of Raman Effect from 24th to 28th February, 2014. On this occasion various programmes were organized which include, Open day on 24th February, 2014 for farmers and public, followed by programmes for students, family staff and other stakeholders from 25th to 28th February, 2014 with a view to encourage scientific temperament and to give them an opportunity to meet, share and interact with the Scientists of the Institute was conducted.



## Open Day

Open Day was organized for the farmers of South Andaman on 24th February, 2014. The visiting farmers were shown the Mini incubator hatchery in Animal Science Division, Sub-DIC, Dweep Krishi Darpan, Poly house, Watershed programmes and other models established in the Institute. The group also interacted with the scientists and expressed their happiness for arranging a very informative exposure visit on the occasion of National Science Day. A total of fifty three of which thirty nine women and fourteen men participated which were facilitated by the Dr. Abhay Kumar Singh, PC, I/c & Er. B.K. Nanda and Mrs. Haripriya, SMS of KVK, South Andaman.

## Mini Science Quiz

Mini Science Quiz was conducted at Institute for Students of Class VII - IX, which were participated by students from six schools of South Andaman. The student groups from Kendriya Vidyalaya No.2, Port Blair bagged the first prize

followed by St, Mary's School, Bathubasti second and Govt. Senior Secondary School, School Line, Port Blair won the third position. The first, second and third consolation prizes were won by Vivekanada Vidyalaya, Lamba Line, Port Blair, Saraswati Shishu Mandir, Port Blair and Govt. Senior Secondary School, Garacharma, Port Blair respectively. Shri Amit Srivastava, Senior Technical Officer coordinated the programme.

### Innovative programme for the families of the staff

An innovative programme for the families of the staff was organized on 26<sup>th</sup> February, 2014, wherein thirty nine women from different works of life participated. Poster presentation on "How to overcome Anemia" in women and extempore speech were the highlight of the programme. Dr. Ranjita Dam Roy, Chairperson, Ladies Club, CIARI was the Chief guest and Dr. Puja Kapoor from JNRM College, Mrs. Rita Banerjee, Vice Principal, School Line School and Mr. D. Banerjee, Free Lancer Artist were the judges on the occasion. The programme was coordinated by Mrs. Sulochana, Asstt. Director (OL) along with Dr. T. Sujatha and Mr. S. Monalisa Devi, Scientists of CIARI.

Dr. S.K.Zamir Ahmed, Senior Scientist. Agricultural Extension & Organizing Secretary coordinated the overall conduct of the NSD.

### Meet and Share

Meet and Share with Scientists and students of Class VI-XI was organized at Institute on 27<sup>th</sup> February, 2014 . A power point presentation on "Agriculture and Student" by Dr. Shrawan Singh, Scientist, (Horticulture), "Prospects of Agriculture in India" by Dr. A.K. Singh, Senior Scientist, (Field Crops) and "Career Opportunities in Agriculture" by Dr. Jai Sunder, Senior Scientist (Animal Science) was made which was followed by interaction session with the participating students. Very lively, intelligent and thought provoking questions were raised by the students which were explained by the scientists present.

A total of thirty eight students participated comprising from Govt. Senior Secondary School, Garacharma, Saraswati Shishu Vidya Mandir, Pathargadda, Kendriya Vidyalaya No.2, Vivekananda Kendra School and St. Marys School, Bathu Basti which was coordinated by Dr. R.K. Gautam, Pr. Scientist and Head, Field Crops alongwith Dr. Jai Sunder and Dr. A.K. Singh, Senior Scientist of the Institute.

Beside a batch of twenty two students from Zoology stream of JNRM College, Port Blair also visited to see works related to fish, insect & pest and biotechnological approach which was facilitated by Dr. Israr Ahmed, Dr. Bharti Meena and Mrs. S. Monalisa Devi, Scientists.

### Third Group meeting on MULLaRP held

Third meeting on All India Coordinated Research Project (AICRP) on MULLaRP (ICAR) for Spring, Summer and Rice Fallow Cultivation on Mung and Urdbean was conducted from 25<sup>th</sup> - 26<sup>th</sup> October, 2013 at CARI, Conference hall amidst the Senior researches from different parts of the country, including BARC, Mumbai, official from Department of Agriculture, NABARD, Scientist, Programme Coordinator & Subject Matter Specialists of the institute.

Speaking on the occasion, the Chief Guest Dr.N. Nadarajan, Director, IIPR, Kanpur spoke that during last three years due to research outcome the production of pulses has increased upto 18 million ton and thereby we could reduce the import to the tune of three to four million ton. He also informed about the focus of research on pulse in XII Plan.

Dr. G.P. Dixit, Project Coordinator, AICRP MULLaRP briefly explained the research activities undertaken in past years and its significance on pulse cultivation in India. He also enlightened the scientific gathering with the future plan of research on gene pyramiding, inter specific hybridization, IPM modules for threatening disease and pests, conservation agricultural technique and minimum tillage or no tillage agronomic practices etc.

Dr.S.Dam Roy, Director, CIARI & Chairman of the meet in his presidential address explained in detail about the scope and importance of pulses in vegetarian food and nutritional security of the island and mainland. He also briefed the status of area, production and productivity of pulses in Andaman & Nicobar Islands and urged the scientists to improve the pulse production in islands through different research and extension programmes in traditional and non- traditional pulse growing areas. He also stressed the importance of A & N island biodiversity and explained that these islands are the store houses of numerous land races and wild relatives of pulses like beach pea, mungan, ranmung etc., which could be



effectively utilized in future breeding programmes. In his concluding remarks he thanked ADG (Oilseed and Pulses), Director, IIPR & others for their continuous support to CARI and stressed the importance of MULLaRP centre at the Institute.

At the outset Dr R. K. Gautam, Head, Division of Field crops welcomed the august gathering and Dr. A. K. Singh, Senior Scientist and Organizing Secretary proposed vote of thanks.

### Professor K.L. Chadha delivered first Dr. T.R. Dutta lecture

Institute has organized the first Dr. T. R. Dutta lecture on 2<sup>nd</sup> December, 2013 in its conference hall. Dr. T. R. Dutta was the founder Director of CARI, who has made seminal contribution in the formative years of CARI during 1978 to 1982.



In his welcome address on the occasion, the Director CARI, Dr. S Dam Roy described Dr. Chadha, an icon and doyen of Indian Horticulture, who has provided dynamic leadership to horticulture renaissance in India. Dr. Dam Roy also acknowledged the outstanding contribution of Dr. Dutta, the former Director CARI, for laying the strong foundation on which CARI has developed as a Premier Institute devoted to the Island Agriculture. He also intimated that Dr. Dutta has extended his best wishes for the successful conduct of the programme.

The President of Horticulture Society of India, Padmashree Dr. K.L Chadha, while delivering, first Dr. T.R Dutta lecture on the topic 'livelihood and Nutritional security through horticulture-focus A&N Islands' impressed upon the august gathering that there is immense scope for horticulture in these islands. Island specific horticulture will not only contribute in creating more livelihoods but also contribute further towards economic development of these islands.

He also emphasized on the role of horticulture R&D in achieving the twin objectives of livelihood and nutritional security. Besides, he also dwelt on national scenario of horticulture, technologies developed and their impact. Turning to islands, he said that the policy makers should sit together and decides about what kind of Horticulture is suitable for these islands. There is also need for thinking of developing Andaman brand products, he added. At

the end Dr. Chadha also interacted and replied to the queries raised by the audience.

Speaking on the occasion, the Secretary Agriculture, Animal Husbandry and Fisheries of A & N Administration, Shri Onit Panyang thanked Dr. Chadha for coming all the way from mainland and sensitizing the gathering on the topic "Livelihood and Nutritional security through horticulture-focus A&N Islands" . He also underlined on the constant cooperation that exist between the line Department & CARI for the development of Agriculture in these Islands. Shri M.A. Salam , the Director Agriculture, A & N Administration, enlightened the gathering about the various initiatives taken by the Department for promoting horticulture and its result obtained so far in these islands.

The function was attended by the scientific communities, policy makers, NABARD, officials from development departments, students & teachers, which concluded with the vote of thanks proposed by Dr. DR Singh, Head (Hort. & Forestry, CARI) and Organizing Secretary.

### Training Cum Workshop on Protection of Plant Varieties and Farmer's Rights Act, 2001

Training Cum Workshop on "Protection of Plant Varieties and Farmer's Rights Act, 2001" was conducted by CARI on 16<sup>th</sup> December, 2013 for the benefit of the stakeholders viz., farmers, officials of Line Departments, Scientist and KVK personnel.

Dr. S. Dam Roy, Director, CARI, presided over the inaugural function, wherein he stressed on the importance of the act for farming communities and plant breeders. Dr. K. Ravichandran, IFS, Conservator of Forest, Andaman & Nicobar Administration, the Chief Guest mentioned about the role of farmers in conservation, improving and developing the plant varieties and also spoke about the various provisions of act and crops covered under the PPVFR register.



The lectures such as role of Protection of Plant Varieties and Farmer's Rights Authority, Importance of Plant Genetic Resources Collection and Documentation, An overview of PPVFRA, 2001, Breeders Rights and Farmers Rights, Registration of plant varieties and Essentially derived varieties, Benefits of registration, surrender and revocation of certificate and rectification and correction of register, Impacts of Compulsory Licensing and Infringement, offences, penalties and procedures in PPVFRA, etc were delivered by the experts from the Institute followed by discussion with the progressive farmers. About 75 participants comprising of progressive farmers, officials of Line Department, Scientists of CARI, Research Scholars, Subject Matter Specialist and progressive farmers attended the programme. The programme was coordinated by Dr. M. Sankaran, Senior Scientist & Organizing Secretary.

### ELISA training for SVOs

A five days hands on training on Enzyme Linked Immuno Sorbent Assay for diagnosis of Animal Diseases was organized from 10<sup>th</sup> to 14<sup>th</sup> March 2014 at CIARI, Port Blair. A total of six Senior Veterinary Officers from Directorate of Animal Husbandry and Veterinary Services participated in the training programme. During the five days training programme, ELISA for diagnosis of FMD and IBR diseases in Animals was demonstrated to the participants which was followed by hands on training. Participants were also taught about Good Laboratory Practices (GLP) and Bio safety measures to be adopted in the laboratory. On the occasion, Director, CARI, Dr. S.Dam Roy congratulated all the participants for successfully completing the training. Dr.A.Kundu, Head, Animal Science Division also spoke on use of latest molecular tools for laboratory diagnosis of the diseases. Dr. Jai Sunder, Course Director of the training programme presented the report of the training. Trainees gave their impression and feed back of the training and requested Director, CIARI to conduct similar type of training in other areas of livestock health and production.



### Republic Day Celebration

Sixty fifth Republic Day was celebrated with great pomp and ceremony. Dr. S.Dam Roy, Director, CARI unfurled the National flag and thereafter expressed his appreciation towards the efforts of the Scientists, Technical, Administrative and Supporting staff in accomplishing the research mandates and development in time frame. Functions like quiz & art competition for children's, fun activities for women was also conducted during the occasion.



### CIARI Wins Gold Medal in ICAR Eastern Zonal Sports Meet

The Institute has bagged two Gold and one Bronze Medal in ICAR-Tournament of Eastern Zone (TEZ) 2013, held at Central Rice Research Institute, Cuttack from 18<sup>th</sup> -22<sup>th</sup> October 2013. In the field event, the Gold Medal was won in the, Shotput Women and Table Tennis (Doubles) for women, while CARI won Bronze medal in the men's Javelin throw event. Team comprising of 11 contingents including 4 women headed by Chief-De-Mission Shri Bipul Chandra Ray participated in the sports meet. Dr. S.Dam Roy, Director, CIARI congratulated and appreciated the whole team for their excellent performance in the sports meet.



## Women Day Celebration

On the occasion of International Women's Day, several events have been organized at CARI, Port Blair from 11<sup>th</sup> March 2014 to 18<sup>th</sup> March, 2014 as part of women's day celebration of the year 2014. Various events like poster presentation, flower arrangement, rangoli and recipe contest have been organized for the women staff, house wives of CIARI staff and farm women.

As part of the programme, two lectures were arranged on 12<sup>th</sup> March, 2014 under the Chairmanship of Mrs. Ranjitha



Dam Roy. One was the lecture on "Women and domestic violence" which was delivered by Mrs. Jennifer, Inspector, Women complaints cell, A & N Police, Port Blair. She gave some awareness to the women of the institute about domestic violence and the protection measure that should be taken against the domestic violence. Another lecture was given by Mrs. Pooja Kapoor, guest lecturer, JNRM on "Balance Diet". She enlightened the women of CARI on balanced food and the ratio on which the various foods should be taken for a healthy life.



## Varieties Developed for Island Condition

A total of ten varieties in the crops such as rice, brinjal, poi, coconut & sweet potato, developed over the years has been released by the Institute Variety Release Committee for the benefit of the farmers /stakeholders of the Island. Brief of the varieties is given below :

### In Rice :

**CARI-Dhan 6 (ANR7):** It is a medium duration (125 days) rice variety with long slender grains, resistant to Bacterial Leaf Blight and yields 5.04t/ha as compared to local check Jaya (3.87 t/ha) .

**CARI-Dhan 7 (ANR12):** It is a medium duration (130 days) rice variety with medium slender grains, resistant to Bacterial Leaf Blight and yields 4.86t/ha as compared to local check Jaya (3.87 t/ha) .

Both the rice varieties has been developed by the team comprising of P. K. Singh, Krishna Kumar, Ajanta Birah, R. K. Gautam, Naresh Kumar, T. V. R. S. Sharma, A. K. Singh, S. K. Zamir Ahmed and S. Dam Roy

### In Brinjal

**CARI Brinjal 1.** The variety has green oblong fruits, possess resistant to bacterial wilt, with yield potential of 25-30 t/ha under Island conditions.

It has been developed by the team comprising of Krishna Kumar, P.K. Singh, Ajanta Birah, Shrawan Singh, Naresh Kumar, A. K Singh, D. R. Singh, R. K. Gautam & L. B. Singh

### In Poi

**CARI POI1 :** variety has green stem with dark green leaves of ovate to cordate shape, possess high nutritional properties as compared to local cultivars and it has got the yield potential of 45-50 t/ha under A&N conditions.

It has been developed by the team comprising of Shrawan Singh, D. R. Singh, Krishna Kumar, Ajanta Birah, L. B. Singh, S. K. Zamir Ahmed and S. Dam Roy.

### In Coconut

#### CARI Annapurna

It is dwarf coconut variety with green coloured nuts having an average copra content of over 240 g under rainfed conditions of Andaman. It is a selection from introduced germplasm from Fiji.

#### CARI Surya

It has dwarfness coupled with round orange coloured fruits, higher nut yield of 104 nuts/ palm/ year. It is mainly for ornamental purpose under rainfed conditions.

### CARI Omkar

The variety has dwarfness coupled with pear shaped yellow coloured fruits with yield of >100 nuts/palm/yea. It is mainly for ornamental purpose under rainfed conditions .

### CARI Chandan

It is dwarf coconut variety with sandal coloured oblong to round shaped fruits, gives higher nut yield of > 100 nuts/palm/year. It is mainly for ornamental purpose under rainfed conditions.

All the above mentioned four varieties has been developed by the team comprising of M.A.Suryanarayana, M.Sankaran, V. Damodaran, D.R. Singh, S.Dam Roy, T. Damodaran, R.P. Medhi, E.V.V.Bhaskar Rao, P.K. Khosy, B.C. Virakthamath, Joshi Joseph, S.Chander Rao, R.Dhanapal, B.Augustine Jerard, P.M.Kumaran, M.J.Rathnambal, R.V.Nair, P.M. Jacob, V.Arunachalam, S.K.Rizal, K.U.K.Nampoodhiri, and George V.Thomas

### Sweet Potato

#### CARI SP 1 (Swarna)

It is a selection from the South Andaman. The plants are spreading type , emerging leaves are light purple and petiole colour is purple. Tubers are light pink coloured, and orange fleshed. It has yield potential of (20-25t/ha) in duration of 110-120 days.

#### CARI SP 2 (Aparna)

It is a selection from the South Andaman. The plants are semi spreading type , emerging leaves are light purple and petiole colour is greenish pink. Tubers are light pink coloured, and white fleshed. It has yield potential of (20-25t/ha) in duration of 110-120 days.

The above two sweet potato varieties has been developed by the team comprising of M.Sankaran, V.Damodaran, D.R.Singh, T.Damodaran, R.Sudha, Shrawan Singh, L.B.Singh, R.P.Medhi and S.Dam Roy

## Tribal Sub Plan & NEH Intervention & Activities

### Input Distribution

- One thousand vegetable seed kit comprising of tomato, brinjal, chilli, amaranths, cowpea, okra, french bean and pumpkin were distributed to tribal farmers of Mandwi, South Tripura, Bali Island, Hut Bay & Car Nicobar.
- Nine quintal seed of improved rice varieties (CARI Dhan 5 and CSR 36) were distributed to the farmers of Campbell Bay and Little Andaman.
- Fifteen quintal seed of quality protein maize and baby corn were distributed to farmers in Andaman and Nicobar Islands.
- Ten quintal seed of quality protein maize (QPM) and baby corn hybrids were given to farmers of NEH regions.
- 70 Kg seed of high yielding mungbean (Vamban-3, HUM-16, LGG-460, TM-96-2, IPM-02-3, Samrat), 50 Kg urdbean (IPU-02-43, Uttara, VBN-4, VBN-5, ANU-11-29, LBG-645), 15 Kg Cowpea ( VBN-1, VBN-2), 40 Kg Lentil (HUL-57, IPL-406, IPI-81, DPL-62) and 10 Kg Pea (HUDP 15, Prakash) were distributed to farmers of Teetop Village, Car Nicobar.
- Planting material such as coconut (100 nos), pineapple (4000 nos), elephant foot yam (2000 kg), banana (100 nos), black pepper (300 nos), clove (50 nos) and nutmeg (50 nos) were distributed to farmers of Car Nicobar.

- Planting materials such as tuberose bulbs (1000 kgs), jasmine plants (3000 nos), black polythene mulching sheet (90kgs), suckers of nendran variety of banana (1000 nos) distributed to farmers of Car Nicobar and Kamorta.
- Distributed planting materials such as coconut (55 nos.), arecanut (3000 nos.), black pepper (2000 nos.) and cinnamon (1000 nos.) from CPCRI, Kahikutchi, for tribal farmers of NEH region.
- Distributed planting materials such as gerbera (400 nos.), banana (300 nos.) & Pine apple (300 nos.) to the tribal farmers of NEH.



- Livestock inputs namely 13 goats, 10 piglets, 500 chicks, feed and medicines were distributed to the beneficiaries. Physical assets like two units of goat sheds and three units of poultry sheds were established at Small Lapathy and Tamaloo village of Car Nicobar.
- Sprayer machines (10 nos.) were distributed to the farmers of Campbell Bay, Great Nicobar.
- Cono weeder (5 nos.) were distributed to the farmers of Campbell Bay, Great Nicobar.
- Two fishing boats (32 Feet and 30 feet OAL) were distributed to fishermen of Car Nicobar to enhance their fishing activities.
- Insulated ice box, life jackets were distributed to the fishermen of Nancowry as fishing inputs to promote fishing activities.
- 16 nos. of Deep freezers were provided to tribal fishermen of Hut Bay for fish storage and consumption.

Beside, KVK, South Andaman facilitated distribution of 300 nos. of vegetable seed kits, 15 goats, 330 chicks, 35 pigs, 50 ice box, 7 deep freezer, 50 life jackets and 2 ring buoy to the farmers of Car Nicobar.

### Demonstration & Assets

- Community based On-Farm field demonstration of high yielding mungbean, urdbean and cowpea varieties were conducted at community village garden of Big Lapathy and Mus Village of Car Nicobar.
- Two low cost goat shed for two families.
- Three low cost poultry shed for three families.
- Four mini incubators for one village.
- Ten rain shelter for vegetable cultivation in off season.
- Developed home garden of 50 m<sup>2</sup> each for thirty beneficiaries of seven villages.

### Exposure Visit

- 23 tribal farmers from Car Nicobar were given exposure on goat and breeder management and hatchery operation at CARI, Port Blair and DAH&VS, A& N Administration.

A total of thirty seven training programmes have been organized for tribal farmers of NEH, Car Nicobar and Hut Bay, wherein 1476 tribal farmers got benefited.

## Round up of Major events

Director visit to Bali Island to attend scientist farmers interaction	3 <sup>rd</sup> Oct., 2013
CARI and NABARD Interaction Meet	5 <sup>th</sup> Oct., 2013
Three days training at Tamaloo Village, Car Nicobar under Tribal Sub Plan, on "Nicobari Fowl Breeder Management and Hatchery Operation" for Tribal Farming Community in collaboration with KVK and DAH & VS, Car Nicobar	7 <sup>th</sup> to 10 <sup>th</sup> Oct., 2013
Director, participated in National conference on Agro-Biodiversity Management for Sustainable Rural Development at NAARM, Hyderabad.	15 <sup>th</sup> - 16 <sup>th</sup> Oct., 2013
Institute Variety Release Committee meeting	23 <sup>rd</sup> Oct., 2013
3 <sup>rd</sup> All India Coordinated Research Project (AICRP) on MULLaRP (ICAR) for Spring, Summer and Rice Fallow Cultivation on Mung and Urdbean	25 <sup>th</sup> - 26 <sup>th</sup> Oct., 2013
ARS Exam (Prelims)	27 <sup>th</sup> Oct., 2013.
1 <sup>st</sup> Quarterly Coordination Committee meeting between UT, Admn. And CARI, Port Blair under the Chairmanship of Secretary, Agriculture/ Animal Husbandry/Fisheries, Andaman & Nicobar Administration	28 <sup>th</sup> Oct., 2013
Vigilance awareness week	28 <sup>th</sup> Oct., to 1 <sup>st</sup> Nov., 2013
Field day on farmers' participatory variety selection for salt tolerant rice varieties in North Wandoor, South Andaman.	31 <sup>st</sup> Oct., 2013
Sensitization programme on High Quality Protein Maize for livelihood by CARI in association with the Out Reach Centre and KVK, South Andaman at Baratang, Mayabunder and Diglipur	12 <sup>th</sup> to 14 <sup>th</sup> Nov., 2013



Training by NRM Division in Assam under NEH for "Efficient Resource Management and Value Addition" at Kokrajhor, Assam	13 <sup>th</sup> – 15 <sup>th</sup> Nov., 2013.
Exposure visit of Tribal farmers of Car Nicobar to CARI, Port Blair	14 <sup>th</sup> to 18 <sup>th</sup> Nov., 2013
Training at Car Nicobar under TSP at Kimai village, Car Nicobar on Natural Resource Management for improving farm production in Nicobar Islands	22 <sup>nd</sup> to 23 <sup>rd</sup> Nov., 2013
Professor K.L. Chadha delivers first Dr. T.R. Dutta lecture at CARI, Port Blair	3 <sup>rd</sup> Dec., 2013
Mini IRC-2013	7 <sup>th</sup> Dec., 2013
Awareness on "De-addiction and Alcoholism"	9 <sup>th</sup> Dec., 2013
Training on "Spices cultivation in A & N Islands" organized by CARI, Port Blair funded by CSS-NHM on Spices, DASD, Calicut in collaboration with ORC, Diglipur and CPTL (NGO) at Diglipur and Mayabunder.	10 <sup>th</sup> to 11 <sup>th</sup> Dec., 2013
Director participated to finalize SFC and CAS interview at New Delhi	8 <sup>th</sup> to 13 <sup>th</sup> Dec., 2013
Training & Workshop on "Protection of Plant Varieties and Farmers Rights Act -2001".	16 <sup>th</sup> Dec., 2013
Training on "Livelihood Option through Horticulture and Nutritious Kitchen Gardening" at Tripura and Nimpith	20 <sup>th</sup> to 23 <sup>rd</sup> Dec., 2013
ARS Examination	29 <sup>th</sup> Dec., 2013
Blood donation camp	9 <sup>th</sup> Jan., 2014
Annual Sports Meet-2014	15 <sup>th</sup> Jan., 2014
Probation Clearance (11 staff)	17 <sup>th</sup> Jan., 2014
ARS online installation and audit completion	17 <sup>th</sup> Jan., 2014
Director's Meet at National Institute of Abiotic Stress Management, Baramati, Puna .	19 <sup>th</sup> and 20 <sup>th</sup> Jan., 2014
Regional Committee meeting at CIFRI, Barrackpore, West Bengal.	24 <sup>th</sup> Jan., 2014
Half yearly TOLIC meeting	25 <sup>th</sup> Jan., 2014
To attend overseas training on "Authentic Leadership Development Programme" at Harvard Business School, Boston, USA.	2 <sup>nd</sup> to 7 <sup>th</sup> Feb., 2014
Field day on Improved Varieties of Chrysanthemum for cultivation	16 <sup>th</sup> Feb., 2014
2 <sup>nd</sup> Coordination Committee meeting with A & N Administration	17 <sup>th</sup> Feb., 2014
National Science Day	24 <sup>th</sup> to 28 <sup>th</sup> Feb., 2014
Model Training course on Water Resource Management for Sustainable Agriculture for Livelihood Improvement sponsored by Ministry of Agriculture, Directorate of Extension, New Delhi	6 <sup>th</sup> -13 <sup>th</sup> March, 2014
International Women day	11 <sup>th</sup> to 18 <sup>th</sup> March, 2014
Institute Management Committee Meeting	15 <sup>th</sup> March, 2014.
Five days hands-on training on Enzyme Linked Immuno Sorbent Assay (ELISA) for diagnosis of Animal Diseases for Senior Veterinary Officers from Directorate of Animal Husbandry and Veterinary Services	10 <sup>th</sup> to 14 <sup>th</sup> March 2014
Meeting of Stakeholders: Roles of Custodian Farmers in Conservation, Use and Dissemination of Agricultural Biodiversity jointly by Bioversity International	19 <sup>th</sup> March, 2014
ARS Net online exam	25 <sup>th</sup> March to 2 <sup>nd</sup> April, 2014
Workshop on "Conservation of Water Resources in Andaman & Nicobar Islands: Issues and Challenges" conducted by Central Ground Water Board, Ministry of Water Resources, Govt. of India at CIARI	27 <sup>th</sup> March, 2014
Workshop on "Conservation of Water Resources in Andaman & Nicobar Islands: Issues and Challenges" conducted by Central Ground Water Board, Ministry of Water Resources, Govt. of India at CIARI	27 <sup>th</sup> March, 2014
Awareness-cum-training on "Protection of Plant Varieties and Farmers' Rights Act - 2001" held at Car Nicobar	27 <sup>th</sup> March, 2014
Awareness-cum-training on "Protection of Plant Varieties and Farmers' Rights Act - 2001" held at KVK, Port Blair	28 <sup>th</sup> March, 2014

## Award

### TOLIC Port Blair Awarded in Eastern Region

Town official language implementation committee, Port Blair has been awarded Third prize [2012-2013] for best implementation of Official Language policy in Andaman and Nicobar Islands by Govt. Of India, Home Ministry, Deptt. of Official Language, New Delhi.



The prize will be awarded to Dr. S. Dam Roy, Chairman Town official language implementation committee and Director, CARI, Port Blair in a award function by Regional Implementation Office [Eastern Region] which will be held on 7<sup>th</sup> March, 2014 in Bhubaneswar.

## Transfer/ Retirement

### Transfer from CIARI

- Dr. Subhash Chand, Sr. Scientist on 31.12.13 at NCAP, DPS, New Delhi.
- Dr. Krishna Kumar Sr. Scientist on 31.12.13 at IARI, New Delhi.
- Shri Ashish Singh Yadav, Technical Assistant on 04.02.14 at IISR, Lucknow, U.P.

### Retired

- Shri K. Narayanan, T-3 (Technical Assistant) on 01.11.13 (VRS)
- Shri A. Vellachamy, SSS on 31.12.13

## *From Director's Desk,.....*

Central Agricultural Research Institute, Port Blair is unique in ICAR system engaged in multidisciplinary research, benefiting Island ecosystem and in the journey of thirty five years has got several accomplishments under its cap. For its dedicated and tremendous service despite of various insurmountable challenges, the Institute has been recognised and christened as Central Island Agricultural Research Institute (CIARI) in this year, to deliver research strategy and policy for Tropical Islands Nations which is a matter of pride.

SFC XII Plan document was approved with fruitful recommendations. Integrated Agriculture System for Tropical Island is being taken as the flagship programme to enhance the adaptive capacity through frontier research, beside it is our endeavour to establish a Composite Bio-security laboratory in the Island. Establishment of homestead based IFS, tuber based piggery, poultry and creation of assets with livelihood opportunity through sustainable technological intervention in agriculture and allied fields, benefitting the tribal's farmers and women in particular in Nicobar District, Little Andaman, Bali Islands of Sunderban and NEH Region under TSP & NEH Plan is noteworthy.

A total of 10 varieties viz., two each in rice & sweet potato, four in coconuts, one each of poi & brinjal have been released by the Institute Variety Release Committee for the benefit of Island farmers of A & N Islands. Custodian farmers and communities of biodiversity conservation and utilization in Andaman & Nicobar Islands were identified for cultivar/ germplasm/ land races viz., Andaman Coconut, Nicobari Aloo, Khoon Phal, Blue mango, Noni, Khushbayya rice, Black Burma, Mushley, Nyawin, White Burma, Nicobari fowl, Nicobari pig and Teresa goat and recognised for the first time.

The most important were the visit of Dr. Prem Mathur, Regional Director, Bioversity International, Dr.S.B. Dandin, Vice Chancellor, University of Horticulture



Sciences, Bagalkot, Dr. R.C. Agrawal, Registrar General, PPV& FRA, Ministry of Agriculture, New Delhi and Dr. Bhuwon Sthapit, Regional Project Coordinator, Bioversity International and Dr. V.A. Parthasarathy, National Project Coordinator, NPMU, UNEP-GEF-TFT on 19th March, 2014. They interacted and appreciated the work done by the team of Scientists and staff of Institute.

To strengthen the coordination with other R&D institution a series of important events namely National Science Day, Custodian Farmers Meet, PPV&FRA & MULLaRP Workshop, and TOLIC meeting were organized.

During the year for superlative implementation of Rajbhasha in official use, Town Official Language Implementation Committee (TOLIC), Port Blair has been conferred III prize in Eastern Region under the Chairmanship of Director.

At the end, I would like to congratulate my colleagues and staff for their hard work and support in achieving the new heights and reaching the unreached to transfer the technologies for the benefit of the farmers/ stakeholders in diversified Island Ecosystem.

  
**(S. Dam Roy)**  
Director

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