



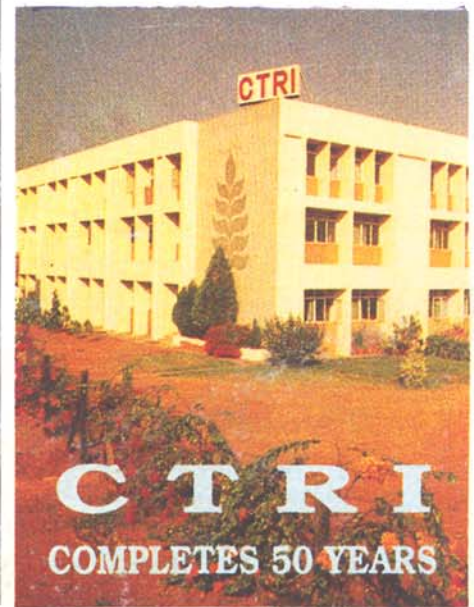
# समाचार Newsletter

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1997

## Central Tobacco Research Institute

### Dr. K. NAGARAJAN, NEW DIRECTOR, CTRI

Dr. K. Nagarajan, Actg. Director has been appointed as Director of this Institute and he has assumed charge w.e.f. 20.3.1997.



### RESEARCH ADVISORY COMMITTEE MEETING

Research Advisory Committee (RAC) meeting was held on 1st March '97 at AICRP(T), Anand Campus, Anand. Dr. G.J. Patel, Chairman RAC, Dr. E.A. Siddiq, Deputy Director-General (CS), Dr. B.R. Murthy, Dr. I.V. Subba Rao,

Mr. Jhakar, Mr. Jhuria Members RAC, Dr. A.M. Narula, Sr. Scientist, ICAR and Dr. R. Lakshminarayana, Project Co-ordinator (T), Heads of Divisions, Scientists from CTRI Research Station, Hunsur and Guntur attended the meeting.

Research priorities of CTRI were discussed and a number of suggestions were made for the benefit of tobacco farming community. RAC also reviewed the 9th plan document, revised the perspective plan of CTRI and approved the Action Taken Report.

### Technical Programme Meeting of Karnataka light soils (KLS)

The tobacco grown in Karnataka light soils area is semiflavoured and export oriented. On 2nd March 1997 Director, Heads of Divisions and Heads of Research Stations participated in the Technical Programme Meeting of KLS and finalised Technical programme for 1997-98 of AICRP (T) projects of Hunsur at Anand. Dr. R. Lakshminarayana Project Coordinator and Scientists from BTRS, Anand also participated.



RAC Members attending the Meeting

## RESEARCH HIGHLIGHTS

### CTRI RESEARCH STATION, HUNSUR

□ In *in vitro* studies at CTRI Research Station, Hunsur, five botanicals *Thevetia peruviana*, *Ruta graveolens*, *Coleus amboinicus*, *Vitex trifolia* and *Clerodendron inerme* were tested in two concentrations i.e., 1:1 and 1:10. *Thevetia peruviana* was found to be effective at both the concentrations. *Ruta graveolens* was quite effective at 1:1 concentration and the rest were found to be less effective in inhibition of germination of conidia *Alternaria alternata*, causing brown spot.

### CTRI RESEARCH STATION, VEDASANDUR

□ Among twelve advanced breeding lines tried in Bhavani area to replace country cheroot tobacco, I-737, selection F7-3-1, F7-3-2 and F7-3-3 of DG.3 x I-737 cross as well as F7-2-1 and F7-2-4 of Kornipaduvithanam x I-737, performed well.

□ Selections HV 92-2 and HV 92-4 of Bhagyalakshmi x VR 2 were found to be better over VR 2 and other selections in Vedaranyam in coastal area of Tamil Nadu.

### CTRI RESEARCH STATION, KANDUKUR

□ On farm trial of the pipe line variety CY 79 at three locations i.e., Vinjamur, Narasettyvaripalem and Chotapalem was successfully completed with promising results. The farmers were highly impressed with the performance of the variety with higher yield and quality compared to Hema (control).

## TRANSFER OF TECHNOLOGY

### CTRI, RAJAHMUNDRY

#### NLS area field visit

Director along with a team of Scientists visited NLS area where NLS 4 and NLS 5 varieties are grown by farmers and suggested mid course corrections to the farmers and also visited on-farm trials at Research Station, Jeelugumilli.



Director and Scientists with farmers in farmers field at Devarapalli

### CTRI RES. STATION, HUNSUR

Scientists and Technical Officers imparted training to farmers on tobacco nursery management organised by State Department of Agriculture on 6th and 10th March 97 and to field and extension staff of M/s ILTD on 20th March, 97.

#### Evaluation of Cured leaf samples

Representatives of M/s ITC Ltd./ILTD Div., Godfrey Phillips India Ltd., Polisetty Soma Sundaram, Maddi Lakshmaiah & Co and Sundaran Tobacco etc assessed the leaf samples of ruling varieties and pipeline varieties for their quality and suitability. Line FCH 6534 developed at the station was ranked first by the traders.

### CTRI RES. STATION, GUNTUR

#### Farmers Day Celebration

Farmers Day was organised by SAIL (Steel Authority of India Ltd.) in collaboration with CTRI Res. Stn., Guntur at the Research Station. Nearly five hundred farmers attended the programme. An exhibition was arranged for the benefit of farmers. Dr.V. Krishnamurthy, Dr. U. Sreedhar, Sri S.K. Naidu and Sri R. Subba Rao attended the programme and appraised the farmers on different aspects of tobacco production technology. Dr. Harishu Kumar, Head, CTRI Res. Stn., Guntur and other staff

of the Research Station actively participated in the farmers day celebration.

### CTRI RES. STATION, KANDUKUR

#### Field day and Farmers meet

Field day and farmers meet was organised at Vinjamur by Tobacco Board auction platform, Kaligiri in connection with the demonstration of on-farm trial of pipeline variety Cy 79 on 18.2.97. Sri A.I. Narayanan, Sri R. Srinivasulu, Dr. J.V. Prasad of Research Station, Officials from ITC and GPI attended the meeting.

### CTRI RES. STATION, PUSA

#### Krishak Gosthi

Krishak Gosthi was organised by farmers and M/s Hariyoli Seeds at Gaopur yogi chowk village, Samastipur District on 12.3.97. Dr.K.D. Singh, Head, CTRI Res. Stn., Pusa was the chief guest on the occasion and distributed prizes to the progressive farmers. Dr. S.N. Tripathi, Dr. S. Amarnath spoke on improved production technology and varieties, respectively. A large number of officials from State Department of Agriculture, National Seeds Corporation, Dairy Development, Scientists and Professors from RAU, Pusa, progressive farmers and traders participated in the function.

### TRAINING PROGRAMMES

Date	Scientists participated in the Programme	Programme Details	Trainees	Training place and Organiser
20.1.97 to 24.1.97	Heads of Divisions and Scientists	Tobacco production Technology	Four officials from Godfrey Phillips India Ltd., Guntur	Rajahmundry Organised by CTRI
28.1.97	M. Umamaheswara Rao S.K. Naidu and S. Gunneswara Rao	Tobacco curing and grading technology	50 Tobacco Growers of Thorredu	Thorredu Organised by Tobacco Board
13.2.97	S.K. Naidu and T. Krishnamurthy	Tobacco production Technology	15 B.Sc.(Ag.) Students	CTRI, Rjy. Organised by APAU Res. Stn. Kovvur
14.3.97	S. Sitaramaiah S.K. Naidu T. Krishnamurthy	Mass rearing of bioagents and various aspects of IPM	47 youth farmers of E.G.Dt.	CTRI, Rjy Joint Director of Agric, Kakinada

### FARMERS MEET & GROUP DISCUSSIONS

Date	Scientists participated in the Programme	Programme Details	Trainees	Training place and Organiser
25.1.97	Dr. K. Nageswara Rao S.K. Naidu, Dr.A.V.R.Swamy & Dr. U. Sreedhar	Group discussions & Field visit	50 farmers	Devarapalli Gopalapuram Vellachintalagudem and Ramannapalam
20.1.97	S. Sitaramaiah M. Sannibabu & Dr. V. Krishnamurthy	Group discussions & Field visit	75 Farmers participated	Jangareddygudem, Tobacco Board
23.1.97	Dr.P.R.S. Reddy M. Sannibabu & S. Gunneswara Rao	..	Farmers participated	Koyyalagudem Tobacco Board
28.1.97	M. Umamaheswara Rao S.K. Naidu & S. Gunneswara Rao	..	..	Thorredu Tobacco Board
20.2.97	S.K. Naidu	..	100 Farmers	Dommeru APAU Agric.Res. Stn., Kovvur
20.2.97	Dr.V. Krishnamurthy & Dr. U. Sreedhar	..	80 Farmers	Annadevarapeta SBI, Annadevarapeta

### MEETINGS/TRAININGS

□ Dr. C.A. Raju attended Annual meeting and Symposium of Indian Phytopathological Society held at Rani Durgavathi University, Jabalpur from 15-17 Feb. 1997 and presented a paper on Recent trends on management of tobacco diseases.

□ Sri S. Sitaramaiah and Sri S. Gunneswara Rao attended 2nd QRT meeting of AICRP Biological control of crop pests and weeds held at Bangalore during 5-6 March, 1997 and Sri S. Sitaramaiah, Principal Investigator, presented the work done report for the period 1990-95. The chairman, QRT Dr. Veeresh, Vice chancellor, UAS, Bangalore and other distinguished members highly appreciated the work done and good presentation of the report.

□ Sri S. Jitendranath attended Orientation Training Programme cum Workshop held at Parbhani from 12-13 March, 1997.

□ Dr. M.M. Shenoji and Sri K.N. Subrahmanya attended RAC and AICRP (T) meetings at Gujarat Agricultural University, Anand from 1-2 March, 1997.

### PAPERS PUBLISHED

MURTHY, P.S.N., G. RAMAPRASAD, S. SITARAMAIAH and J.A.V. PRASAD RAO. పుష్క సంబంధిత పురుగు మందుల అవశ్యకత. Eenadu, E.G. Dt. 26.2.97.

SREEDHAR, U., G. RAMAPRASAD and S. SITARAMAIAH. Spray to check aphids in tobacco. The Hindu, 27.2.97.

PRASAD RAO, J.A.V., P.R.S. REDDY, M. UMAMAHESWARA RAO, P. HARISHU KUMAR and R. SRINIVASULU. వర్షనియా పొగాకుకు ఎరువులు వేసే విధానము. Eenadu, 5.2.97. E.G.Dt.

NAGARAJAN, K., and K.S.N. MURTY. Tobacco: Its future and utility as a source of value added chemicals. Agro India 1:5-6, 1997.

NAGARAJAN, K., and J.A.V. PRASADA RAO. వర్షనియా పొగాకు ఎగుమతుల అభివృద్ధికి. Eenadu, 29.1.1997.

V. KRISHNAMURTHY and B.V. RAMAKRISHNAYYA. Management of soil tilth in flue-cured tobacco cultivation. Tob. Dev. J. 3(2):5-6, 1995.

K.S.N. MURTHY, D. RAMACHANDRAM, R. SUBBARAO, S.S. PRASAD and S. NAGESWARARAO. Monsoon burley tobacco crop of agency areas in Andhra Pradesh needs calcium supplementation. Tob. Dev. J. 3(2):3-4, 1995.

### TV TELECAST

The research activities of CTRI Res. Stn., Dinhat, presented by Dr. P.V. Venugopala Rao was telecast on 31.3.97 by Doordarshan Kendra, Kurseong.

### RADIO TALKS

□ "Tambaku phasal ki dekh-rekh" (Care of Tobacco crop) by Sri S. Amarnath on AIR, Darbhanga 15.1.97

□ వర్షనియా పొగాకుకు నూక్కు పోషక పదార్థముల అవశ్యకత. by Sri S.S. Prasad on AIR, Visakhapatnam 30.1.97

□ క్యూరు చేసిన పొగాకుకు తీసుకోవలసిన జాగ్రత్తలు. by Sri C.B. Sarma on AIR, Vijayawada 21.2.97

□ వర్షనియా పొగాకు క్యూరింగులో మెతుకువలు. by Sri M. Umamaheswara Rao on AIR, Visakhapatnam 17.3.97

□ Kharif crops suitable for central vertisols prior to tobacco planting by Dr. P. Harishu kumar on AIR, Vijayawada 31.3.97

## VISITORS

### CTRI, RAJAHMUNDRY

13.1.97 Sri L. Teegarden, Dimond International Institute, North Carolina University, USA.

12.2.97 Sri J. Sundara Sekhar, IAS, Executive Director, Tobacco Board, Guntur.

5.3.97 Sri G.M. Buka, Dy. General Manager and Sri Jacob Mushayalembe, Technical Services Manager, Tobacco Marketing Board, Harare, Zimbabwe.

11.3.97 Sri Paul Bhuyan, IAS, Chairman, Tobacco Board, Guntur.

### Students & Farmers Visit CTRI

Students and progressive farmers from different places visited CTRI, Rajahmundry and they were taken around the Museum, Laboratory, Research Farm at Katheru and explained activities and achievements of CTRI.

10.1.97 Twenty five B.Sc.(Ag) 2nd year students of college of Agric., Aswaraopet.

30.1.97 Seventy five progressive farmers from SLS area, organised by Tobacco Board.



Director explaining the exhibits in the museum to Mr. Buka and Mr. Jacob



Director offering bouquet to Sri Paul Bhuyan, IAS, Tobacco Board Chairman

## OTHER ACTIVITIES

### Ph.D. AWARDED



Dr. Ramji Lal, Sr. Scientist, IISR, Lucknow (formerly Scientist, CTRI) was awarded Ph.D. Degree by Andhra University for his thesis entitled "Studies on Collor Rot Disease of Tobacco Caused by *Sclerotium rolfsii*" under the guidance of Dr. K. Nagarajan, Director, CTRI and Prof. C. Subba Reddy, Dept. of Environmental Sciences, Andhra University, Waltair as external guide.

### D.G. Congratulating CTRI Staff

Dr. R.S. Paroda, D.G., ICAR congratulating Mr. G. Adinarayana, T-4, at CTRI, Rajahmundry, who is studying M.Sc. (Ag) Agronomy at RBS College, Bichpuri, Agra

during his visit as a chief guest on the occasion of Golden Jubilee Celebrations of the Dept. of Agronomy of the College on 8th March, 1997.



Sri G. Adinarayana with D.G.

### IJC Meeting

Fifth IJC Meeting was held at CTRI Res. Stn., Hunsur on 15.3.97. Dr. K. Nagarajan, Director and other members attended the meeting and taken some important decisions for the benefit of all staff members.

### Dr. Raju completes INSA Visiting Fellowship

Dr. C.A. Raju, Sr. Scientist completed 3 months deputation to Sri Venkateswara University, Tirupati, under INSA Visiting Fellowship 1996-97, on 20th March, 97. He has acquired experience in different Enzyme linked immunosorbent assay (ELISA) and other related techniques and successfully developed CMV tobacco antiserum under the guidance of Prof. P. Sreenivasulu.

### Tech Meet 1997

A "Tech Meet" was organised by CSIR Poly Technology Transfer Centre, Hyderabad in collaboration with CTRI, Rajahmundry on 26.2.97. Nearly 200 delegates participated in

the programme. On this occasion a status paper on Phytochemicals from tobacco and tobacco waste was presented by Dr. S.R. Prabhu and Dr. C.V. Narasimha Rao.



Dr. K. Nagarajan receiving Tech Meet Souvenir from Sri M. Harichandra Prasad

### NEW SCIENTIST JOINED IN CTRI



Dr. (Mrs.) S. Kasturi Krishna, Scientist (Agronomy) joined in ARS in February, 1995. She did her Ph.D at IARI. Her first place of posting was at IGFRI, Jhansi. She got transferred from Jhansi to CTRI, Rajahmundry and joined here on 14th March, 1997.

### APPOINTMENTS

Sri I.K. Sharma has been appointed as Sr.Admn.Officer at CTRI, Rajahmundry on 17.3.1997

### RETIREMENTS

Name	Grade	Reason	Date
Smt. Neeladasi	S.S.Gr.II	Superannuation	31-01-97
Sri K.S.N. Murthy	Sr. Scientist	Superannuation	28-02-97
Sri N.G. Barman	S.S.Gr.III	Superannuation	31-03-97
Sri B.M. Ghosh	Tech.T-II-3	Superannuation	31-03-97

### RESIGNATION

Sri Pattapagala Satyanarayana, S.S.Gr.I, CTRI, Rajahmundry resigned on 29-03-97.

### OBITUARY

Sri Govinda Gowda, S.S.Gr.I, CTRI Research Station, Hunsur expired on 28-01-97.

## KRISHI VIGYAN KENDRA

### Farmers Meet

Farmers meet was conducted at Kalavacherla on 25.1.97. Nearly 150 farmers from Venkatapuram, Gadarada and Kalavacherla villages participated in the function. Dr. K. Nagarajan, Director presided over the function and Scientists have also participated in the function.

### Farmers Day

Farmers day was conducted on 29.1.97 at Venkatapuram village. Nearly 250 farmers participated from Venkatapuram, Subhadrapeta, Doddigunta villages. Dr. K. Nagarajan, Director presided over the

function. In this connection a leaflet on pest and disease resistant varieties of different crops was released by Dr. Nagarajan.

Critical inputs on different crops viz. Groundnut, Sesamum and Blackgram were distributed to farmers.



Dr. K. Nagarajan addressing the farmers and Smt. V.V. Lakshmi Kumari on the dias

### Palmyrah Fibre Separator

The Rural Crafts section of KVK has developed a machine viz. Palmyrah Fibre Separator for separation of fibre from palmyrah leaf fronds. The machine was designed by the Engineering section of CTRI, Rajahmundry.

The machine was inaugurated and demonstrated by Dr. K. Nagarajan, Director, CTRI on 3rd January, 1997. An official demonstration was arranged for the officials of District Developmental Departments viz. DRDA, ITDA, Mandal Officers, Village Development Officers and farmers.

The objective of development of this machine is to remove 100% drudgery involved in manual process, to improve health aspects and to improve the living standards of rural and tribal people who are engaged in this palm fibre extraction work for their livelihood.

Efforts are being made by this Kendra to supply these machines on subsidy basis to the rural and tribal people with the help of DRDA, ITDA and other organisations. So far 35 demonstrations were conducted in the rural and tribal villages of East and West Godavari. District Mandal Officers and enterpenuars of these areas have participated in the demonstrations.

A pamphlet was also released on Palmyrah Fibre Separator by Dr. K. Nagarajan, Director CTRI on 12th February, 1997.



Dr. K. Nagarajan releasing the pamphlet on Palmyrah Fibre Industry



Demonstration of Palmyrah Fibre Separator Machine

### Vocational Training programmes

Three TRYSEM training programmes of two months duration on Lace making, Soft toys making and Palmyrah fibre products were conducted to 70 rural youth (female) of Kalavacherla, Pallakadlam and Turpugonadum villages.



Smt. Aruna Kumari explaining soft toys preparation to Director, CTRI

## डा० के.नागराजन ने सी.टी.आर.आई. निदेशक पद का कार्यभार ग्रहण किया

डा० के.नागराजन, कार्यवाहक निदेशक इस संस्थान के निदेशक के पद में नियुक्त किये गये और उन्होंने दिनांक 20-3-97 के पूर्वाह्न से निदेशक पद में कार्यभार ग्रहण किया।

## अनुसंधान सलाहकार समिति की बैठक

दिनांक 1 मार्च, 1997 को ए.आई.सी.आर.पी (टी) आनंद परिसर, आनंद में अनुसंधान सलाहकार समिति (आर.ए.सी.) की बैठक हुई। डा० जी.जे.पटेल, अध्यक्ष आर.ए.सी., डा० ई.ए.सिद्धिख, उप महानिदेशक (सी.एस), डा० बी.आर.मूर्ति, डा० आई.वी.सुब्बाराव, श्री जाखड जी और श्री झुरिया, सदस्य आर.ए.सी. डा० ए.एम.नरूला, वरिष्ठ वैज्ञानिक भा.कृ.अनु.प. एवम डा० आर.लक्ष्मीनारायण, परियोजना समन्वयक (तम्बाकू) प्रभाग-प्रमुख, सी.टी.आर.आई. अनुसंधान केन्द्र, हुनसूर तथा गुण्टूर के वैज्ञानिकों ने इस बैठक में भाग लिया। सी.टी.आर.आई. के अनुसंधान प्राथमिकताओं की विस्तृत चर्चा हुई और कृषक समुदाय के लिए कई लाभदायक सलाह दिये गये। आर.ए.सी. ने 9 वी योजना दस्तावेज, का समीक्षा भी किया और परिप्रेक्ष्य योजना का संशोधन किया। समिति ने पिछले बैठक के कार्यवृत्त की पुष्टि की।

## कर्नाटका के हलकी मिट्टियों के तकनीकी कार्यक्रम समिति

कर्नाटका के हलकी मिट्टियों के क्षेत्र में उगाये जाने वाली तम्बाकू अर्ध सुगन्धित और निर्यात के लिए उन्मुख है। दिनांक 2 मार्च, 1997 को आयोजित कर्नाटका के हलकी मिट्टियों के तकनीकी कार्यक्रम समिति में निदेशक,

प्रभाग प्रमुख और अनुसंधान केन्द्र प्रमुखों ने भाग लिया और हुनसूर के ए.आई.सी.आर.पी(टी) परियोजनाओं को 1997-98 के लिए अन्तिम रूप दिया गया। डा० आर.लक्ष्मीनारायण, प्रायोजना समन्वयक और बी.टी.आर.एस. आनंद के वैज्ञानिकों ने भी भाग लिया।

## अनुसंधान के झलक

### सी.टी.आर.आई. अनुसंधान केन्द्र, हुनसूर

सी.टी.आर.आई. अनुसंधान केन्द्र, हुनसूर के विट्रो अध्ययनों में पांच वनस्पतियाँ याने थेवीटिया पेरूवियाना, रूटा ग्रेवियोलेंस कोलियस एमबोइनिकस, विटेक्स ट्रिफोठिया एवम क्लेरोडेनड्रोन इनेम दो सान्द्रणों याने 1:1 एवम 1:10 में परीक्षण किये गये। दोनों सान्द्रणों में थेवीटिया पेरूवियाना प्रभावी पाया गया। रूटा ग्रेवियोलेंस 1:1 सान्द्रण में पूर्ण प्रभावी था और बाकी भूरा धब्बा को उत्पन्न करने वाले आलटेरेनेरिया आलटेरेनेटा के अंकुरण के निरोध करने में कम प्रभावी पाये गये थे।

### सी.टी.आर.आई. अनुसंधान केन्द्र, वेदसंदूर

भवानी क्षेत्र में देशी चुरूट तम्बाकू आई-737 को प्रतिस्थापित करने के लिए कोशिश किये गये। बारह अग्रिम प्रजनन लाइनों में कोर्निपाडु वित्तनम के एफ 7-2-1 एवम एफ 7-2-4 x आई-737 के साथ साथ सेलेक्शन एफ 7-3-1 एफ 7-3-2 तथा डी.जी. के एफ 7-3-3 x आई-737 संकर अच्छी तरह निष्पादित किये।

तमिलनाडु के तटीय क्षेत्र के वेदारण्यम में भाग्यलक्ष्मी के सेलेक्शन एच.वी. 92-2 एवम एच.वी. 92-4 x बी.आर. 2 बी.आर. 2 तथा अन्य सेलेक्शनों से बेहतर पाये गये।

### सी.टी.आर.आई. अनुसंधान केन्द्र, कन्दुकूर

तीन स्थानों में अर्थात् विंजमूर, नारशेट्टिवारिपालेम एवम छोटोपालेम में सी.वाई-79 पाइप लाइन किस्म पर क्षेत्रीय परीक्षण आशाजनक परिणामों के साथ सफलता पूर्वक पूरा किये गये। हेमा की तुलना में इस किस्म के उच्छ पैदावर एवम गुणवत्ता युक्त निष्पादन से कृषक अधिक प्रभावित हुए।

## कृषि विज्ञान केन्द्र

### पालमिरा रेशों का पृथक्कारक

कृषि विज्ञान केन्द्र के ग्रामीण दस्तकारी अनुभाग ने पालमिरा पत्तों के पणौंग पत्रों से रेशों की पृथक्कीकरण के लिए पालमिरा रेशों का पृथक्कारक नामक यंत्र का विकास किया। सी.टी.आर.आई., सजमंद्री के अभियन्त्रिकी अनुभाग द्वारा इस यंत्र का रूपांकन हुआ।

दिनांक 3 जनवरी, 1997 को सी.टी.आर.आई. के निदेशक डा० के.नागराजन द्वारा इस यंत्र का उद्घाटन एवम प्रदर्शन किये गये। जिला विकास विभागों अर्थात् डी.आर.डी.ए., आई.टी.डी.ए., के अधिकारियों, आंचलिक अधिकारियों ग्रामीण विकास अधिकारियों एवम कृषकों के लिए शासकीय प्रदर्शनी आयोजित की गयी।

शारीरिक प्रक्रिया में ग्रस्त 100% कड़ी मजदूरी को दूर करना, ग्रामीण एवम जनजातीय लोग जो अपने जीविका निभाने पाम रेशों के सार से संबंधित कामों में लगे हैं उनके स्वास्थ्य के पहलुओं को और जीवन स्तर को सुधारना इस यंत्र के विकास का उद्देश्य है।