



कयर बोर्ड COIR BOARD

(सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय, भारत सरकार
Ministry of MSME, Govt. of India)

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नं. _____
No:

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दिनांक _____
Date:

28.12.2018

श्री.मगनलाल/Shri.Magan Lal,

भारत सरकार के अवर सचिव/Under Secretary to the Govt. of India,

मूल.म.उ. मंत्रालय/Ministry of MS&ME, Udyog Bhavan,

नई दिल्ली/New Delhi- 110 011.

महोदय /Sir,

**विषय Sub:- Material for inclusion in the Report on the Significant Events of
the Ministry for the period from 26.11.2018 to 28.12.2018 – reg.**

कयर विकास योजना/COIR VIKAS YOJANA

विज्ञान व प्रौद्योगिकी/Science & Technology

- **Potential application of biodegraded coir pith (C-POM) for setting up of roof/home/vertical garden**

The comparative study on effect of Coir- Krishimithra, C-POM and Garden soil on vegetable plants is in progress. Coir-KrishiMithra – the innovative formulation developed by CCRI, intended especially for the cultivation of vegetables, is prepared by degrading coir pith using PITHPLUS (*Pleurotussajorcaju*), supplemented with natural nitrogen supplements by replacing urea with biological nitrogen supplements viz. Azolla, fish waste and Neem cake. NPK analysis was done and the results showed a better nutrient profile compared to the conventional C-POM. The study on the effect of different combinations of potting material on plant growth is under progress. After two months study the vegetable plants have shown better growth in the 50-50 combination of Coir-Krishimithra with C-POM. The study is continuing.

A vertical garden comprising of 72 pots with 144 plants had been set up in front of the Microbiology Department in CCRI. Coir- Krishimithra has been used as the potting material.



- **Pilot Scale Laboratory for the production of PithPlus/ Biochem/Testing in CCRI/CICT/RO (Pollachi/ Rajahmundry & Bhubaneswar)**

The production of Pithplus and Biochem and testing of coir pith / coir fibre in the Pilot Scale Laboratory are being continued at CCRI. The Pilot Scale labs set-up at RO-Bhubaneswar, CICT-Bangalore and RO-Pollachi have also started production of Pithplus.

- **Standardization of Krishimithra for agri/horti end uses & popularization in coconut growing states.**

The innovative formulation “Coir-Krishmithra” is prepared by degrading coir pith using PITHPLUS (*Pleurotussajorecaju*), supplemented with Azolla & fish waste and neem cake in place of urea, as nitrogen source. In order to popularize the technology, demonstrations are conducted at the major coconut growing states of India. Demonstrations were already conducted in different districts in the states of Kerala, Andhra Pradesh, Odisha, Tamil Nadu and Karnataka. More locations at other north Indian states are being located. With a view to disseminate the technique to different parts of the country, new locations in the northern states where more coconut growing sites are being identified.



Cocolawn of 70 m² set up using Coir Krishimithra, at the CCRI

- **Study on coir pith/coir fibre Nano cellulose for hygiene and absorbent products**

Research on the application of Coir-Nano cellulose in making sanitary and absorbent products is in continuing

- **Establishment of Model demonstration centers for showcasing the R&D achievements of the Board at CCRI and CICT.**

Demonstration centers for displaying the main R&D achievements of the Board at CCRI and CICT viz. Model of coir pith Composting (Conventional and KrishiMithra), Biochem treatment for coir, Potential use of coir pith/C-POM for Vertical/Roof garden set-up, Cocolawn- for Landscaping and Roof-terrace application, Coir geotextiles applications- Coir Net House and Soil erosion control, Mobile Fibre Extraction Machine (MFEM), Coir wood and Coir-Polymer Composite based products .

- **Comprehensive study on the Biodegradation of the Coir-fibre based products. i.e. Coir geotextile, Coir mattings, Coir wood and Coir mattress.**

A Comparative study on the biodegradation of coir fibre based products being continued. The samples have been dug into the soil at 1.5 feet from the surface.

- **Project Review and advisory committee meeting of the collaborative project**

Review meeting of the collaborative project on "Behavior of coir geotextiles stabilized subgrade soil with special reference to transport infrastructure development" with University of Wollongong and CUSAT, Kochi was conducted on 10.12.18 at Kochi . Dr. JS Vinod, Assistant Professor, University of Wollongong, Australia and PI of the project presented the updated status of the works done as part of the project. The objective was to evaluate the mechanical behavior of the coir geotextile reinforced soil during high frequency cyclic loading and to prepare a numerical model for biodegradability of geotextile.



Review of the project

- **Extraction of sodium lignosulphonate from Coir Pith.**

For improving the quality of Sodium lignosulphonate(SLS) for use in Oil Drilling applications 3% sulphite solutions process and evaluation of properties are going on. Studies are going on for the extraction of Sodium lignosulphonate using KOH instead of NaOH for the economical extraction of SLS.

- **Development of Lignin based Glues**

The Study on the performance of lignin glue as a PE resin substitute in Coir wood is continuing.

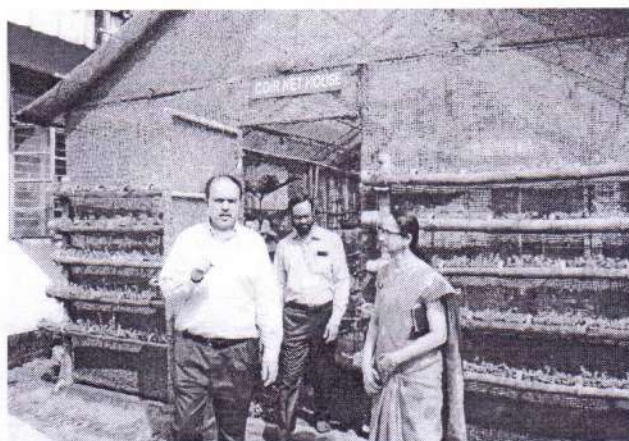
- **Development of flame retardant rubberized coir for cushioning purpose in Railways**

Studies are ongoing for the modification of NR latex compound by addition of flame retardant additives and property evaluation is going on. Studies were carried out to improve the flame retardancy characteristics of the rubberised coir by different treatments and tested at CIPET, Hyderabad (the RDSO recognized laboratory). As a result of the studies conducted, the above properties could be improved to a greater extent compared to the untreated one. As per the latest test report from CIPET Hyderabad, the modified samples have improved in LOI from 21 to 31 for which the requirement is 35. For the parameter resistance to spread of flame modified sample have improved from Class C to Class B, for which the requirement is Class A. On consultation with the scientists of CIPET, Hyderabad our samples have missed Class A in spread of flame test with a narrow margin. The class A will be given to the samples with burning time of ≤ 5 sec and length of ≤ 25 mm and our samples have met the time and there is narrow difference in burning length. Studies are being continued to achieve the flame retardancy standards as set by the RDSO.

- The Minister of State for Home (Rural), Finance & Planning, Maharashtra, Shri. Deepak Vasanth Kesarkar along with a US based Indian businessman visited the Coir Board Complex on 12/12/2018. Director, RDTE, Dr. Das Anita Ravindranath explained the S&T works being carried out at CCRI & Training Centre.



- The Secretary of the Ministry of Micro, Small and Medium Enterprises (MSME), Dr. Arun Kumar Panda visited CCRI on 15/12/2018. The Secretary appreciated the R&D works carried out and directed to take actions for disseminating and commercializing the technologies.



स्किल अपग्रेडेशन & महिला कयर योजना/Skill Upgradation & Mahila Coir Yojana

The Board has been conducting various programmes like Entrepreneurship Development Programme, Awareness Programme, Workshop, Seminar, Exposure Tour etc. for attracting more entrepreneurs to start coir processing units. Further training programme such as training on manufacturing of value added coir products, weaving and spinning etc. are also being organised through the field offices.

Details of Plan Programmes organised as per Action Plan 2018-19 under "Skill upgradation & Mahila Coir Yojana during the period from 26.11.2018 to 24.12.2018 are given below:

Activity	Kerala	Maha rashtr a	Karna taka	Gujar ath	Andhr a Prade sh	Telen gana	Tamil Nadu	Port Blair	Odis ha	West Bengal	NER	Total
Training- Value Added Coir Products	20	-	-	-	-	-	-	-	-	20	100	140
Training- Mahila Coir Yojana	20	-	-	40	-	20	-	-	-	100	100	290
EDP	1	-	-	-	-	-	-	-	2	-	-	3
Seminar	-	-	-	-	-	-	-	-	-	-	-	-
Awareness	-	1	1	-	-	-	-	1	1	-	-	4

Programme												
Exposure Tour	-	1	-	-	-	-	-	-	-	-	1	2
Workshop	-	-	-	-	-	-	-	-	-	-	-	-

स्वदेशी विपणन/Domestic Marketing

During the period, Coir Board participated in the following exhibitions.

Sl. No.	Name of the exhibition	Place	Date	State
1	PITEX 2018	Amritsar	06/12/2018 to 10/12/2018	Punjab
2	MSME Regional Exhibition	Patna	05/12/2018 to 07/12/2018	Bihar
3	1st Intl. Trade Fair	Haflong	11/12/2018 to 23/12/2018	Assam
4	Kanpur Expo	Kanpur	11/12/2018 to 28/12/2018	Uttar Pradesh
5	Khadi Exhibition	Ernakulam	09/12/2018 to 21/12/2018	Kerala
6.	IIMTF	Kolkata	14/12/2018 to 25/12/2018	West Bengal
7.	Ujwal Himachal Pradesh	Dharmashala	14/12/2018 to 16/12/2018	Himachal Pradesh
8.	14th Jatiya Sanhati Utsab	Kolkata	12/12/2018 to 16/12/2018	West Bengal
9.	Agri Trade Expo	Pollachi	21/12/2018 to 24/12/2018	Tamil Nadu
10.	11th Onattukara Agri Fest	Alappuzha	21/12/2018 to 25/12/2018	Kerala
11.	86th Sivagiri Pilgrimage Festival	Varkala	20/12/2018 to 02/01/2019	Kerala
12.	NLVDP	Kolkata	21/12/2018 to 31/12/2018	West Bengal
13.	AGREX 2018	Alappuzha	21/12/2018 to 28/12/2018	Kerala

विदेशी बाजार विकास सहायता

External Market Development Assistance

An amount of Rs.4,25,591/- has been disbursed as External Market Development Assistance to 3 coir units for various export promotional activities abroad.

निर्यात पंजीकरण/Export Registration

8 units were newly registered as Coir Exporters and also issued Registration-Cum-Membership Certificates.

कयर उद्यमी योजना/Coir Udyami Yojana

During the period from 26.11.2018 to 24.12.2018, the Board has released a sum of Rs.83,80,000/- towards subsidy for setting up of 21 coir units under Coir Udyami Yojana in the State of Tamilnadu.

स्फुर्थि/SFURTI

- **10th Project Screening Committee (PSC) Meeting of SFURTI – 27.11.2018**

The 10th Project Screening Committee (PSC) meeting of SFURTI was held on 27.11.2018 at Central Institute of Coir Technology (CICT), Bengaluru under the chairmanship of Chairman, Coir Board. The PSC approved DPRs of 7 new SFURTI coir cluster proposals viz. Pakkam, Mannargudi & Kongu in Tamil Nadu, Raghunath & Radha Rani in Odisha and Amalapuram & Kadiapulanka in Andhra Pradesh and recommended all these clusters to the next SSC for final approval. The representatives of the Technical Agencies (ie., M/s.ITCOT Consultancy & Services Ltd., Chennai & M/s.NIMSE, Hyderabad), proposed cluster stakeholders, Implementing Agencies and Coir Board officials were also present in the meeting.

- **Visit of the Hon'ble Secretary to the Govt. of India, Ministry of MSME at Haripad SFURTI coir cluster on 15.12.2018**

Dr. Arun Kumar Panda, Hon'ble Secretary to the Govt. of India, Ministry of MSME visited the Common Facility Centre at Muthukulam CVCS 72 of Haripad SFURTI coir cluster in Kerala on 15.12.2018. Secretary, MSME assessed the activities implemented under the scheme at the CFC and interacted with the cluster stakeholders on the production activities undergoing over there. The Project Officer (Coir), Kayamkulam, the Implementing Agency of the Cluster, SPV members, representatives of Technical Agency M/s.EDII, Thrissur and Coir Board Officials were present in the meeting.



स्वच्छ भारत अभियान/Swachh Bharat Abhiyan

- As part of "Swachh Bharat Abhiyan" cleaning and maintenance activities were conducted at Primary Health Centre, Thrikkur, Thrissur – Dist through SR & SD, Thrissur under the coordination of Shri Abraham C U, Accounts Officer (IA). The cleaning activities were commenced on 13.11.2018 and completed by 10.12.2018. In the Health Centre, the surroundings were full of bushes and bamboos were leaning towards the hospital building. Rubbish materials were also piled up on the way to backside of the Hospital. Hence, the following activities were conducted for cleaning and beautification Basement (Half wall) surrounding five trees in front of the Health Centre were constructed and painted the basement for more beautification. This half wall is now beautiful and very useful for patients visiting the Health Centre for sitting. Two display boards of Swachh Bharat Abhiyaan of Coir Board have also been put up on the trees to spread the general awareness about "Swachata".
- For the extension of free drinking water facility to the public, the Board installed a Mineral water Dispenser at Govt. Public Health Centre, Valavanad, Alappuzha. This was inaugurated by Shri. Subhagan, Member & Health, Education Standing Committee Chairman, Grama Panchayath, Mannancherry in the presence of Dr. Geena, Medical Officer, PHC, Valavanad through R.O (CMS), Kalavoor on 24th December, 2018.
- A campaign on Hand Wash & Hygiene was also organized by Coir Board at PHC, Trikkur. Pamphlets prepared on hand wash and hygiene were distributed to patients and public gathered at PHC, Thrikkur on 12.11.2018 and 10.12.2018 by Dr Sheena Vasu, Medical Officer, Primary Health Centre, Thrikkur. An awareness programme was also

conducted at Government Girls high school, Ernakulum about “Swachhta”. After that a thorough cleaning was also done at the surroundings of the school.

The photographs taken on these occasions are given below:



- In the Aspirational District of Wayanad in Kerala, two special Awareness programmes have been organized by the Sub Regional Office of the Board on 27 and 28 December 2018 in two panchayaths. These programmes were organized for making the rural people of the respective panchayaths aware of the scope of coir industry in their area and various schemes of the Government for the development. The importance of swacchta in the day today life was also emphasized in the programme.

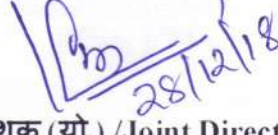


एचआरडी प्रशिक्षण/ HRD Training

One Official from Head office was deputed for the training Programme on " Planning for Retirement, Entitlement and Payment of Retirement Benefits under CCS (Pension Rules) etc." held during 5th to 7th December 2018, at Jaipur organised by Society for Economic Research and Training, New Delhi.

One Official from Central Coir Research Institute, Alleppey was deputed for the training Programme on "Implementation of Reservation Policy for SC/ST/OBC/Ex-Servicemen & PWD" held during 6th to 8th December 2018, at Jaipur organised by Society for Economic Research and Training, New Delhi .

भवदीय/Yours faithfully,


संयुक्त निदेशक (यो.) /Joint Director (Plg.)

प्रतिलिपि/ Copy to:

1. Shri.R.R.Meena, Deputy Secretary (Coir), Ministry of MS&ME, Govt. of India
Udyog Bhavan, New Delhi- 110 011.
2. Additional Industrial Advisor, Nirman Bhavan, 7th Floor, Maulana Azad Road,
New Delhi- 110 108.