



कयर बोर्ड / COIR BOARD
भारत सरकार / Government of India
सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय / Ministry of MSME,
एम. जी. रोड, कोच्ची / M.G. Road, Kochi – 682016.

I-19015(15)/ 1/ 2015(S&T)

25.1.2018

श्री.मगनलाल/Shri.Magan Lal,
भारत सरकार के अवर सचिव/Under Secretary to the Govt. of India,
सू.ल.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 23.12.2017 to
24.1.2018 – reg.

The important events/discussions/decisions pertaining to Coir Board for the
period from 23.12.2017 to 24.1.2018 are furnished below.

एस&टी कार्यकलाप/S&T ACTIVITIES

I. Modernization of Production Process

Activities of Pilot Scale Laboratory & Testing of Coir Pith Samples

ITEM	QUANTITY(Kg)			VALUE(Rs)	APPLICATION
	PRODUCTION	SALE	USED FOR EXPT/DEMO		
BIOCHEM	5 Ltrs	-	5 Ltrs	-	0.5 Tons(Fibre)
PITHPLUS	404 Kg	161.2 Kg	30 Kg	20,150/-	80.6 Tons(Pith)
TESTING	8 Nos.			49,560/-	Export & Domestic
TOTAL				69,710/-	

1. Sri.Mandharachalam, Board member, visited CCRI on 16th January 2018 and viewed the R&D achievements showcased. He was very much impressed with the work going-on and appreciated the innovative technologies developed.



2. The Board participated in the international workshop on "Biomaterials for Tomorrow (B4T)" organised by the Department of Materials and Environmental Chemistry, Stockholm University, Sweden in association with Centre for Nanoscience and Nanotechnology, M.G. University, Kerala at Hotel Marriot, Kochi during 7 - 9, January 2018. Presented posters on "A facile impregnation of Nanosilver in to cellulose extracted from coir pith and its anti bacterial activity" & "Nanocellulose from coir: A prospective candidate for Biomedical applications" in the conference which was awarded third price.



3. The Board has participated in the seminar conducted by Farmers Association of India in connection with Haritholsavam, Cherai Fest on 29th December 2018 and made a presentation on the topic "Coir pith based organic manure for plant cultivation"



4. Board conducted the demonstration works at Virudnagar, Sivaganga districts of Tamil Nadu and Trivandrum, Kollam, Alappuzha, Palakkad, Malappuram, Kannur and Kasargod districts of Kerala during 5 – 17, January 2018 in connection with the popularization of the technology of Coir-Krishimithra.



5. In association with the Rotary Club of Alappuzha, 1150 grow bags of Coir-Krishi Mithra were prepared, packed and transferred for the distribution of the same among farmers.
6. Board has participated in the Karshikolsavam 2018 at Kunnathumkulangara Devi Temple, Budhannoor, Kerala during 12-13 January 2018. Shri. C.K. Padmanabhan, Vice chairman, coir Board has inaugurated the function. All the technologies developed by Coir Board were exhibited at the venue.



7. Different groups of visitors including small scale farmers from various districts of Kerala and large scale foreign entrepreneurs from outside the country, visited CCRI and the information on the R&D techniques were imparted to them.

II. DEVELOPMENT OF MACHINERY AND EQUIPMENT

1. Fabrication of modified version of NANO fibre extraction machine is completed and trial run is carried out
2. Trial run of ANUGRAHA-TEJAS looms by varying the speed ratio and modification works were carried out on the winding mechanism.
3. Versatile bobbin winding machine fabrication work has been completed and also the efficiency of the machine increased up to 5/8 kg/min.
4. Tuning work of KRISHNA spinning machine is under progress by varying the speed ratio of the combing drum and spinning head.
5. Garden article machine under the Scheme ASPIRE installed at incubation centre which was supplied by Jyothi Yantras, Bangalore. Trial run has been already taken and the products are good.



III. PRODUCT DEVELOPMENT AND DIVERSIFICATION

Diversified coir products, Handicraft items such as Nettippattam and coir jewellery are being developed for display in various exhibitions organized by Coir Board. Continuous Production of diversified products in the Product Development & Diversification Section has been started.

Training was extended to the trainees of NCT&DC on mat weaving, winding bobbin, cops etc. Also imparted training on spinning different types of coir and blended yarn, weaving coir matting on Hand looms, Semi-automatic Loom, Jacquard power loom for manufacture of different variety of coir fabrics.

IV. DEVELOPMENT OF ECOFRIENDLY TECHNOLOGY

Research Studies- Research and Development activities on various In-House Projects are being continued in the Microbiology Department of CCRI. The progress of the work done under each project is detailed below.

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

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 being continued..

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

The production of PITHPLUS, Biochem and testing of coir pith / coir fibre in the Pilot Scale Laboratory are being continued at CCRI, CICT & Bhubaneswar.

3. Setting up of a Pilot Scale Plant for the extraction of Sodium Lignosulphonate from coir pith for diversified applications

The project Associate visited the firm "Kroft" Industrial Equipments, Saravanampatti, Coimbatore" for detailed view on spray drying technique which is to be included in the upcoming pilot plant set up.

4. Standardization of KrishiMithra for agri/horti end uses & popularization in coconut growing states:

The Regional Offices at the Islands of Andaman and Nicobar and Lakshadweep intimated about the Coir-Krishimithra demonstration and the needful arrangements are being done there. The bulk quantities of Coir-Krishimithra prepared at the CCRI premise has been packed and given to Rotary Club Alappuzha for grow bag distribution, as per the order of higher officials. Five hundred grams of Coir-Krishimithra was packed and dispatched to KAU and TNAU for detailed characterization studies. The result is anticipated.

5. Study on coir pith/coir fibre Nanocellulose for hygiene and absorbent products

Study on the application of Coir-Nanocellulose in making sanitary and absorbent products is continuing. Bulk production of Coir-Nanocellulose is going on in the department. The characteristics and absorption properties of the product are analyzed. Trial works on absorbent product development has been conducted and few products were prepared and showcased to the guests and visitors.

6. 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

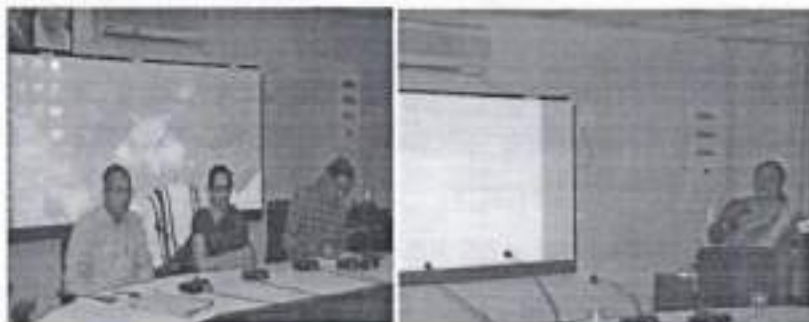
KrishiMithra), Biochem treatment for coir, Potential use of coir pith/C-POM for Vertical/Roof garden set-up, Cocolawn- for Landscaping and Roof-terrace application, Coir geotextiles applications- Coir Net House and Soil erosion control, Mobile Fibre Extraction Machine (MFEM), Coir wood and Coir-Polymer Composite based products has to be established. The construction works of the set up is under progress.

Demonstration of coir pith composting using Krishimithra and conventional methods has been done at the premises of Secretary, Self Help Group, Palakkad has been conducted during the period from 17-19 January 2018.



V. TECHNOLOGY TRANSFER, INCUBATION, TESTING AND SERVICE FACILITY

- **Meeting with All India Coir Mattress manufacturers association for discussion on the progress of the R&D project “Development of flame retardant rubberized coir for cushioning applications in railways as per RDSO standards”**
 - A meeting was held on 05.01.18 in the conference hall of CCRI with the All India Coir Mattress manufacturers association for discussion on the progress of the R&D project “Development of flame retardant rubberized coir for cushioning applications in railways as per RDSO standards”. The association president Shri. S.Sunderasan , the President of AICCMA and 10 other members from different rubberised coir industries were attended the meeting.
 - SSO (Polymer) i/c presented the progress in the development of flame retardant rubberised coir. The members from AICCMA actively participated during the interaction section and gave their suggestions for further work such as modification in Latex and binder.





- A Research paper titled "Biogenic nanosilver mediated by coir, medicinal plant extract and their anti microbial validation" has been published in the CORD 2017,33(Vol 2).
- As per the request from NIRD, Hyderabad a technical team were deputed to NIRD, Hyderabad for providing the technical assistance in laying coir geotextile reinforced road.
- The Board attended the 21st meeting of BIS- Geosynthetic Sectional Committee TXD 30 in joint session with 10th meeting of Industrial Fabrics Sectional Committee TXD 33 at 11am in the Conference Room, Bureau of Indian Standards, Manakalaya, E9, Behind Marol Telephone Exchange, Andheri (East), Mumbai - 400093. The meeting was chaired by Dr. A N Desai, Scientific Member, SITRA Council and around 25 members of the committee were attended the meeting
- Bio resin has been synthesized using lignin (Obtained from coir Pith) and Furfural. The Glue action of the lignin furfural bioresin has been tried on two veneers of soft wood. The Glue action of the synthesized bioresin was successfully administrated.

कयर उद्यमी योजन/COIR UDYAMI YOJANA

During the period from 22.12.2017 to 24.01.2018, the Board has released a sum of Rs.33,66,520/- towards subsidy for setting up of 32 coir units under Coir Udyami Yojana in the following States:

Sl.No.	State	No. of Units	Subsidy released (in Rs.)
1	Kerala	29	21,66,520.00
2	Karnataka	3	12,00,000.00
	Total	32	33,66,520.00

स्वदेशी विपणन/DOMESTIC MARKETING

During the month of January 2018, Coir Board has participated in the following exhibition.

SLNo	Name of Exhibition	Place	Period	State
1	Dinamalar Smat Shoppers Expo	Puducherry	04/01/2018 to 08/01/2018	Puducherry
2	MSME Expo 2018	Palakkad	19/01/2018 to 21/01/2018	Kerala
3	All India Exhibition	Pilicoded, Kasargod	10/01/2018 to 18/01/2018	Kerala
4	NVDP-cum-Industrial Expo	Rajkot	07/01/2018 to 10/01/2018	Gujarat
5	26 th Sanchitha Mela	South 24 Pragnas	12/01/2018 to 19/01/2018	West Bangal
6	21 st Banga Sanskrithi Utsav	Kalyani, Nadia,	12/01/2018 to 21/01/2018	West bengal
7	Karshikolsavam 2018	Budhanur, Chengannur	12/01/2018 to 13/01/2018	Kerala
8	36 th Cochin Flower Show	Durbar Hall Ground	29/12/2017 to 07/01/2018	Kerala
9	India Industrial Fair 2018	Jaipur	05/01/2018 to 08/01/2018	Rajasthan
10	22 nd agriculture industry tourism science festival	Purba Mednipur, West Bengal	06/01/2018 to 12/01/2018	West Bangal
11	Rajasthan Mahotsav	Jaipur	06/01/2018 to 10/01/2018	Rajasthan
12	Craft Exhibition	Andra University, Vizag	05/01/2018 to 08/01/2018	Andhra Pradesh
13	Karshika Pradarshana Mela	SL Puram, Alappuzha	16/01/2018 to 18/01/2018	Kerala
14	Jaipur Paridhan	MSME-DI, Jaipur	27/01/2018 to 29/01/2018	Rajasthan
15	NVDP cum Industrial Expo	Patliputra, Patna	30/01/2018 to 31/01/2018	Bihar
16	NSSH Kerala Conclave	Bolgatty Palace, Kochi	17/01/2018	Kerala
17	22 nd National Youth Festival	Greater Noida	12/01/2018 to 16/01/2018	Uttar Pradesh

स्फुर्ति/SFURTI

INAUGURATION OF NEYYATTINKARA COIR CLUSTER



Shri. Giriraj Singh, the Hon. Minister of MS&ME addresses after inaugurating the SFURTI Coir Cluster at Neyyattinkara, in Thiruvananthapuram

Shri. Giriraj Singh, the Hon. Minister of MS&ME inaugurated the Common Facility Centre (CFC) of Neyyattinkara coir cluster in Kerala on 09.01.2018 under SFURTI 2nd phase programme. Shri. C P Radhakrishnan Ex.MP, Chairman, Coir Board, Shri. B H Anilkumar, Joint Secretary(ARI), Ministry of MSME and Shri. D P S Negi, Economic Advisor, Ministry of MSME cum Secretary, Coir Board were also present during the occasion. The CFC of Neyyattinkara coir cluster consists of machineries for production of coir needled felt, garden articles and coir pith compost. This is the first cluster inaugurated during the 2nd phase of implementation of SFURTI programme. Hon'ble Minister was very much impressed on the cluster activities and while addressing the cluster stakeholders, emphasized the need to enhance the production activities & value additions with a view to get more benefits to the maximum number of beneficiaries.



8TH PROJECT SCREENING COMMITTEE MEETING UNDER SFURTI

The 8th Project Screening Committee (PSC) of SFURTI was held at 10.00 am on 02.01.2018 at Coir Board Head Office, Kochi under the Chairmanship of Chairman, Coir Board. Shri. S R Pradhan IAS, Director of Industries, Odisha was also present in the meeting in order to participate in the discussions held therein for the cluster proposals from Odisha. Out of 14 Detailed Project Reports (DPR) presented by various Technical Agencies, the

committee recommended 12 nos of proposals(Odisha-5, Kerala-3, Tamil Nadu-2, Karnataka-2) to the ensuing SSC of the Ministry.



कयर विकास योजना/COIR VIKAS YOJANA

Skill Upgradation & Mahila Coir Yojana

1. The state wise achievement of plan programmes conducted during the reporting period are given below

Sl.No.	Activity	Kerala	T.N	Kar nat aka	A& N	Guw ahati	Total
1	Training on value added coir products	20	20	20	20	19	99
2	Training-MCY	60	20	-	20	-	100
3	EDP	2	1	1	-	-	4

- Board had made a presentation on the Craft Exhibition held at Visakhapatnam from 05.01.2018 to 08.01.2018. Shri. K.Srinivasa Rao, Minister for Health and Education, Govt. of Andhra Pradesh had visited Coir Board Stall in the Craft Exhibition.



- Health wellness programme was organised for the trainees at National Coir Training & Design Center by officials of Health mission, Alappuzha



- Entrepreneurship Development Programme organised at Valiyakulangara in Kollam

निर्यात विपणन/EXPORT MARKETING

Participation of Indian coir sector in the Domotex International TradeFair, Hannover, Germany

Coir Board organized participation of Indian coir sector in the Domotex International Trade Fair, 2018 held at Hannover Germany during 12-15 January, 2018. Seventeen exporters/entrepreneurs from Indian coir sector participated through 'Indian Coir Pavilion'. The delegation was led by Smt. Renu Kapoor, Under Secretary to the Govt. of India, IF Wing, Ministry of MSME and Shri. K Ananda Babu, Joint Director (Plg), Coir Board.



The 'Indian Coir Pavilion' extended in an area of 294 Sq.mtr., was located in Stand B 90, F79 & F80 in Hall 4 in Domotex 2018. The Indian Coir Pavilion was constructed by an agency engaged by Coir Board through global bidding process. The interiors of the pavilion were beautifully arranged with international standard. All the booths were provided with a uniform pattern of display facilities. A stunning display of novel products of coir as well as blow ups and posters of coir products were arranged in the pavilion by all participants. A

special brochure, incorporating the profiles of the participants in Indian Coir Pavilion and the range of products, was brought out and distributed to the visitors.

In order to provide better visibility and attention for Indian coir products and Coir Board Pavilion including its co-exhibitors among the business visitors, Coir Board hired an Ad Tower in front of Hall No. 2 of Domotex 2018.

The Hon'ble Consul General of India, Hamburg Shri. Madan Lal Raigar visited all the booths in Indian coir pavilion in Domotex and held discussions with all the participants. All the participants were bagged a good number of trade leads.

II. Participation of Indian coir sector in the IPM Essen, 2018, Essen, Germany

Coir Board is organizing participation of Indian coir sector in the IPM Essen 2017 being held at Essen, Germany during 23-26 January, 2018. The **IPM ESSEN (International Trade Fair for Plants)** is the world's leading trade fair for horticulture in Germany. It is the only specialist trade fair of its kind to cover the entire value chain of plants, including production, technology, floristry, garden features, and the point of sale. It offered trade visitors a comprehensive market overview and so many multifaceted novelties.

The Board set up an 'Indian Coir Pavilion' in 198 Sq.mtr. space located in Stand No. 3 A 17 in Hall 3 and in Stand Nos. 7B37 & 7C13 in Hall 7. The pavilion was constructed by an agency engaged by the Board through global bidding process. 26 individual booths have been provided in Coir Board pavilion for participation of 27 enterprises from Indian coir pith sector. The delegation was led by Shri. B H Anil Kumar, Joint Secretary to the Govt. of India, Ministry of MSME and Shri. T C Manikandan Pillai, Section Officer, Coir Board. The Coir Board pavilion was inaugurated by Shri B H Anil Kumar, Joint Secretary to the Govt. of India, Ministry of MSME.



II External Market Development Assistance

An amount of Rs.5,21,105/- (Rupees Five Lakh Twenty One Thousand One Hundred and Five Only) has been disbursed to 4 Units as External Market Development Assistance for various export promotional activities abroad.

III Export Registration

Seven firms were newly registered as Coir Exporters and also issued Registration-Cum-Membership Certificate.

Other Events

INAUGURATION OF COIR BOARD SHOWROOM IN THIRUVANANTHAPURAM



The Hon'ble Minister of State (I/C) for Micro, Small and Medium Enterprises (MSMEs) Shri. Giriraj Singh inaugurated the modernised Coir Board showroom in Thiruvananthapuram, Kerala.

Coir Board has undertaken a project to modernise its showrooms and sales depots to attract footfalls. The newly inaugurated stall is to feature new range of Coir products.

226th COIR BOARD MEETING



Shri. Giriraj Singh, the Hon. Minister of MS&ME chaired 226th Coir Board meeting held at Thiruvananthapuram, Kerala on 09.01.2018

Allotment of land at Chennai to Coir Board discussed at meeting with Tamil Nadu Chief Minister



Shri.C.P.Radhakrishnan Ex MP, Chairman, Coir Board handing over a representation on the allotment of land in Chennai for setting up of a Regional Centre of Coir Board to Shri. Edappadi K. Palaniswami, Hon'ble Chief Minister of Tamilnadu

Shri.C.P.Radhakrishnan Ex MP, Chairman, Coir Board met Shri. Edappadi K. Palaniswami, Hon'ble Chief Minister of Tamilnadu at his Chamber on 22.01.2018 and discussed several issues including the allotment of land to Coir Board, setting up of a Regional Centre for Coir Board in Chennai and to develop it as a Technology dissemination Centre to help immensely towards more cohesion with the activities of the coir developments departments of the Tamilnadu state government.

In the meeting Shri. S. P. Velumani, Minister for Municipal Administration and Rural Development, Govt. of Tamilnadu also participated. After submitting a representation to Hon'ble Chief Minister for the allotment of land in Chennai by Chairman, Coir Board, further discussed about forming two more SFURTI coir clusters and Sub Regional Office in the coir dominated areas in Tamilnadu.

They said that while top priority should be given to the allotment of land to Coir Board. Earlier, Chairman, Coir Board gave a representation figured concerning the development of the coir industry in the state. Underscoring the need to create a Regional centre cum Industrial Promotion Centre, Shri.C.P.Radhakrishnan said it required allotment of 1 acre land at an ideal place to set up a minimum infra structural facilities for the purpose.

National SC-ST Hub Regional Conclave at Kochi



Shri. T Chandrasekaran, Development Officer, Coir Board delivering the speech at Kerala State Conclave of National SC/ST Hub

In a bid to lend professional support and motivate SC/ST entrepreneurs to set up their own industries an initiative of the Ministry of micro, small & medium enterprise, government of India, organised the NSSH regional level Conclave across India. Coir Board Officials attended the various regional SC-ST hub conclave.

In the Kerala State Conclave of National SC/ST Hub, Shri T Chandrasekaran, Development Officer, Coir Board presented about the schemes and services offered by Coir Board at the Bolgatty Palace Event Centre on 17.01.2018. It is aimed at understanding how NSSH can collaborate with the state government and work together at the ground level to increase the capabilities of the SC/ST entrepreneurs. The conclave had sessions by various banks, PSUs, Industries Department and SC/ST Welfare Departments on the various schemes benefiting MSMEs belong to SC/ST category.

Coir Board officials attended regional SC-ST hub conclave held in the State of Kerala, Andhra Pradesh and Hyderabad.

Meeting with Principal Secretary/Industries Commissioner, Govt. of Tamilnadu



Meeting with Principal Secretary/Industries Commissioner, Officials of Director of Industries and Commerce in Chennai

Shri.C.P.Radhakrishnan Ex.MP, Chairman, Coir Board had a meeting with Principal Secretary/Industries Commissioner and Director of Industries and Commerce, Additional Commissioner, Director of Industries and Commerce and other superior officials in connection with allotment of space for setting up Regional centre cum Industrial Promotion Centre in Chennai and cluster related matters implemented in Tamilnadu including MSME Cluster and SFRUTI Cluster, other related development activities of coir in Tamilnadu and

feasibility to use of coir Geo textiles and Coir ply with Tamilnadu State Governments departments like PWD, local bodies and other Departments.

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भवदीय/Yours faithfully,

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

प्रतिलिपि

Copy to: 1.

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