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CSIR- CENTRAL LEATHER RESEARCH INSTITUTE

(Council of Scientific & Industrial Research)

ADYAR, CHENNAI – 600 020, INDIA

PRESS NOTE

CSIR FOUNDATION DAY 2011

Monday, the 26th September, 2011

Introduction

The 26th September has a special significance to the family of the Council of Scientific and Industrial Research (CSIR), which was born on this day in the year 1942 as the apex body under the Ministry of Science and Technology, Government of India with the prime objective of catering to the S&T needs for the industrial development of the country. The main motto of the organization, since its inception, has been to facilitate enablement of the Indian industries in all the major fields to stride confidently with the sound back-up of scientific and technological outputs, generated by its chain of National Laboratories, spread across the country, under its umbrella. CSIR has emerged over the last 69 years as a vibrant mammoth scientific and industrial organization with wide ranging competence, core strength and many more major accomplishments with a focus on scientific and industrial research.

Central Leather Research Institute (CLRI), Adyar, Chennai – 600 020 is one of the esteemed National Laboratories under the umbrella of CSIR, devoted to R&D activities in the realm of leather and allied industries.

Highlights of the Major Achievements of CLRI during 2009-10

The year 2010-11 has been quite eventful for CLRI. While vibrant knowledge products generated at CLRI have not only added to its IPR (intellectual Property Rights) portfolio base, but also been transferred to the user industry on the one hand, collaboration at both National as well as International level has helped in image building in respect of the capabilities of CSIR-CLRI on the other hand.

A total of 46 new externally funded projects has been undertaken during the year 2010-11.

| | Projects undertaken | Projects completed |
|----------------|---------------------|--------------------|
| Consultancy | 29 | 18 |
| Sponsored | 1 | |
| Collaborative | 1 | |
| Grant-in-Aid | 7 | 1 |
| Tech. services | 8 | 8 |

Several training programmes have been organized for the benefit of different target groups among the user industries.

❖ Knowledge basket

a) IP Portfolio :

Vibrant knowledge leads generated at CLRI have been applied for patent protection. There has been an addition of eleven more Patent applications as indicated below, to the knowledge portfolio of the Institute. The following Table exhibits the IP portfolio of the Institute during the year 2010-11.

| Year | Indian Patents | | Foreign Patents | Copyrights applied |
|---------|----------------|---------|-----------------|--------------------|
| | Filed | Granted | Granted | |
| 2010-11 | 11 | 15* | 01 | 02 |

* Filed earlier

b) Technology development and translation to industry

The following technologies have been added to the knowledge product basket of CLRI and technology transfer process has been undertaken in terms of signing licensing Agreements with the following beneficiaries during the last one year.

1. Waste water treatment using carbon nanotube M/s Hygrevar Pelican Affordable Housing Pvt. Ltd., Chennai
2. Dog Chew from Tannery waste M/s. Hi-Tech Company, Vellore, Tamil Nadu

❖ Completion of Technology Transfer during 2010-2011

It has been a landmark event for CLRI to have successfully transferred the Know-how relating to Pickle free Chrome Tanning to M/s. Vaniambadi Tanners Enviro Control Systems Pvt. Ltd., Vaniambadi. The Know-how has been demonstrated to the authorized representatives of the beneficiary, which has expressed its immense satisfaction thereto. The technology has also been implemented successfully.

❖ CSIR Technology Award 2011

CLRI Team comprising Prof. Dr. A.B. Mandal, Dr. C Muralidharan, Mr. V John Sundar and Mr. T Rangaswamy has been selected for the CSIR Technology Award for Innovation 2011 in consideration of developing Salt free Tanning Technology.

Fashion forecasting for leather

CLRI plays the role of a 'design interpreter' catalyzing the growth of the leather and leather products sector by motivating the members of the Indian Leather Fraternity to stay ahead of fashion in LEATHER. TODAY, Tanners in INDIA are developing the new range of leathers/ colours within days of CLRI producing the MODEUROP Colour card and reaching out to Buyers not only abroad but also to the discerning product manufacturers in the country. Getting one Indian colour into the MODEUROP Colour Card in 1994 was a matter of prestige. Today, India has almost 50 – 70% of the colours chosen, featuring from Indian proposals.



At the MODEUROP Colour Club Meeting for the “Autumn Winter 12/ 13 season” held during May 2011 in Germany, 15 out of a total of 23 colours selected under SHOES category and 8 out of a total of 11 colours selected under LEATHER GARMENTS category were from the India.

Capacity Building for The Ethiopian Leather Sector - Led by CSIR- Central Leather Research Institute

CSIR-CLRI has already forged a close relationship with the Government of Ethiopia in connection with the development as well as capacity building for the Ethiopian leather sector. The Institute has already been associated with three different projects, as mentioned below in this connection.

➤ Bench Marking (Technology upgradation) Programme in Ethiopian Tanning Industry – Phase I

Ministry of Trade and Industry (MoTI) of Federal Democratic Republic of Ethiopia (FDRE) had enrolled the services of the CSIR-Central Leather Research Institute by invitation for the Bench Marking Program aimed at the Technology Upgradation of selected seven Ethiopian tanneries. The Primary objective was to transform the Ethiopian tanning sector through capacity building in selected tanneries to enable them to produce finished leathers for International Market in competitive manner by improving the efficiency and effectiveness of these units.



Prior to the interventions, the tanneries were producing predominantly semi-processed

leathers from sheep and goat skins for export and poor quality finished leathers from bovine hides for Leather product industries catering to the local market. After the conclusion of the phase-I consultancy project, the technology status in the selected tanneries got upgraded for producing finished leathers from sheep and goat skins with quality suitable for export markets and finished leathers from bovine hides with improved quality and value addition for local product industry to cater to local market as well as for export.

The Steering Committee chaired by the State Minister for Industry and Trade has expressed satisfaction on the final outcome and recommended for the continuation of efforts in the second phase for strengthening and sustaining technological capabilities in the seven tanneries and for extending the benefits to 4 more tanneries.

➤ **Bench Marking (Technology upgradation) Programme in Ethiopian Tanning Industry – Phase II**

Based on the success achieved in the first phase of the Bench Marking Programme for the Technology Upgradation of Tanning Sector in Ethiopia, the Government of Ethiopia through their Ministry of Industry has awarded another consultancy project to CSIR-CLRI for augmentation of efforts made in the first phase as well as to extend the programme to more number of tanneries. The main objective of the second phase of the programme is capacity building in the eleven tanneries leading to self-sustainability in terms of competence building in the areas of research & development, technical upgradation, product & quality standardization and productivity enhancement with system formulation and implementation for production of finished leathers for export.

The project which commenced in the month of February, 2011 is underway and the benefits of interventions are already visible with the establishment of the Ethiopian Tanning Industry as reliable suppliers of quality finished leathers in the International Market.



There is an overall appreciation for CSIR-CLRI for the success achieved, which has resulted in the award of another contract for the Institute for the Twinning arrangement for capacity building in the Ethiopian Leather Institute, Leather Industries Development Institute (LIDI)

➤ **Twinning Programme for Leather Industry Development Institute (LIDI), Ethiopia**

Leather Industry Development Institute (LIDI) has been established by the Govt. of Ethiopia primarily to serve the leather and leather product sectors of that country. In order to contribute to the realization of the national vision, LIDI needs to undergo a major transformation of becoming a globally competitive centre of excellence in the field of leather. The TWINNING project is structured, planned and will be carried out taking into account the principal objective of



transforming LIDI. A tripartite Agreement has been signed among CSIR-CLRI, LIDI and MoCS/ecbp, Govt of Ethiopia on 21st June 2011 in Addis Ababa, Ethiopia.

The Twinning Programme for capacitating Leather Industry Development Institute (LIDI), Ethiopia under the leadership of CSIR-CLRI has been launched officially on the 19th September 2011 in Addis Ababa, Ethiopia.

Foundation Day Celebration 2011

CLRI joins CSIR Head Quarters and other sister National Laboratories on Monday, the 26th September, 2011, to celebrate the 70th Foundation day of CSIR with great enthusiasm and fervor. The event is marked by the participation of both industry and academia. Dr. G. Bhaskaran, *FNA, Senior Professor, Institute of Mathematical Sciences, Chennai and Distinguished Research Chair, Perimeter Institute of Theoretical Physics, Waterloo, Canada*, has kindly consented to be the Chief Guest and deliver the Foundation Day Lecture on *Science as a Ladder*. Dr. Balkrishna V Bhosale, Member of Senate & Associate Professor, University Department of Sociology, Mumbai and Shri Mohan M Sreenivas, Honorary Secretary, All India Skins & Hides Tanners & Merchants Association and Managing Director, Mohan Sreenivas & Associates, Chennai are the guests of honour. The function is to be presided over by Dr. G. Thyagarajan, *FNAE, FRSC, Former Director, CLRI*.

Multidimensional events, as indicated below, form part of the function.

➤ Recognition

The Institute honors sixteen staff members, who superannuated during the period September 2010 to August 2011 and seven staff members who completed 25 years of continuous service in the CSIR, in recognition of their contribution to the development of the organization.

The organization also honours a couple of physically challenged staff members in recognition of their silent service, that is being delivered in an immensely dedicated manner.

➤ Honouring achievers – a motivational effort

Staff members who have brought glory and pride to this organization by way of their sincere contribution, are to be honoured. A team of technical experts contributing to the successful execution of the prestigious Project relating to the development of Ethiopian leather sector, is to be honoured for meritorious services in Ethiopia.

Meritorious ward of CLRI staff excelling in Science subjects at the 10th standard receives award during the function.

CLRI makes conscious efforts to motivate the researchers for transferring technologies. As a part of this effort, certificate of appreciation is to be awarded to the 4-member team comprising Dr. C Muralidharan, Mr. V John Sundar, Mr. T Rangaswamy and Dr. A.B. Mandal for successfully transferring the technology on Pickle free Chrome tanning

process to M/s. Vaniambadi Tanners Enviro Control Systems Pvt. Ltd., Vaniambadi.

➤ **Competitions**

The following competitions have been organized during the month of September 2010 as a part of the CSIR Foundation Day celebration.

- Drawing competition for children upto primary level
- Essay competition for school children upto higher secondary level
- Science seminar for young research scholars
- Cricket tournament for CLRI staff
- Quiz programme for CLRI staff members.

Winners in respect of these events are to be awarded prizes and certificates during the function.

➤ **Open day**

This day is also celebrated as the 'Open day', when the different key research areas of the Institute are kept open for the benefit of the students from schools and colleges and also the general public. All are invited to visit the Institute between 2.00 to 5.00 P.M. on this day to familiarize themselves with various ongoing R&D activities and technical capabilities of the Institute. This will enable them to update their knowledge in the realm of Science and Technology.

For further details, please feel free to contact

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