

No. DSIR/MS/2018/10
Government of India
Ministry of Science & Technology
Department of Scientific & Industrial Research
MONTHLY SUMMARY FOR THE CABINET
(For the month of **October 2018**)
(Part-I Unclassified)

Ministry / Department : Department of Scientific and Industrial Research (DSIR)

MAJOR ACHIEVEMENTS DURING THE MONTH OF OCTOBER, 2018:

DEPARTMENTAL ACTIVITIES

1. Industrial R&D Promotion Programme

Recognition/ Registration and renewal of In-house R&D in Industry

- 18 in-house R&D units of industries were granted recognition as well as registration certificates.
- 15 in-house R&D units of industries were granted renewal of recognition as well as renewal of registration certificates.

Scientific and Industrial Research Organization (SIROs)

Recognition/ Registration and Renewal of SIROs

- 06 SIROs were granted recognition and 05 were granted registration certificates.

Public Funded Research Institution (PFRIs)

Registration and Renewal of PFRIs

- 04 PFRIs were granted registration.
- 11 PFRIs were granted renewal of registration.

Fiscal Incentives for Scientific Research

- 04 industries were approved for issuance of form 3 CM under Section 35(2AB) of IT Act under weighted tax deduction.
- 45 reports in form 3CL submitted to CCIT under Section 35(2AB) of IT Act for weighted tax deduction on industrial R&D involving a total amount of Rs.53789.21 Lakhs.

AUTONOMOUS BODY

1. Council of Scientific & Industrial Research (CSIR)

1.1 Dr. Shekhar C. Mande takes Charge as DG CSIR and Secretary, DSIR

Dr. Shekhar C. Mande, Director, National Centre for Cell Science (NCSS), Pune has assumed charge as Director General, CSIR and Secretary, Department of Scientific & Industrial Research (DSIR), Ministry of Science & Technology, with effect from 16th October, 2018. He is structural biologist by training and made significant contributions over the years. He is a fellow

of all three major science academies and is a recipient of the coveted SS Bhatnagar Prize.

1.2 CSIR-CECRI and CSIR-NEERI : Developed New Green Crackers

To reduce air pollution caused by bursting of firecrackers, CSIR has developed a set of new firecrackers that promise to be less polluting without compromising on the sound or light effect. The Hon'ble Union Minister of Science and Technology, Dr. Harsh Vardhan announced that CSIR developed firecrackers are environment-friendly as well as pocket friendly. The manufacturers wouldn't have to make changes into their manufacturing units as CSIR developed firecrackers could be manufactured in the existing set up and would reduce cost of production. The new crackers have been developed by CSIR-CECRI and CSIR-NEERI. The Minister further said that the crackers have properties of reduced emission of particulate matter and toxic gases (reduced by 25 to 30 per cent), emit less smoke and are less noisy.

1.3 CSIR-IITR: Developed and Transferred the Water Purification Technology 'Oneer'

CSIR-IITR, Lucknow has developed a safe and affordable water purification system 'Oneer' that can be best utilized in homes and small establishments as well as in rural areas. The technology was transferred to M/s Bluebird Water Purifiers, New Delhi in the presence of Hon'ble Union Minister of Science & Technology, Dr. Harsh Vardhan and Dr. Shekhar C. Mande, DG, CSIR. The set up can eliminate all disease causing pathogens, providing safe drinking water for domestic and community requirement as per national and international standards prescribed for potable water.

1.4 4th India International Science Festival-2018

The fourth India International Science Festival 2018 (IISF-2018) was organised at Indira Gandhi Pratishthan, Lucknow from 5th to 8th October, 2018 by the Ministry of Science and Technology and Ministry of Earth Sciences in association with Vijnana Bharati. It was inaugurated by Hon'ble President of India, Shri Ram Nath Kovind. The theme of this edition of the Science Festival was "Science for Transformation". 23 special events were organized as part of the festival. The Hon'ble Minister of Science & Technology, Dr. Harsh Vardhan inaugurated few of the major events at the four-day science festival including Young Scientists Conference, Global Indian Science & Technology Stakeholder's Meet (GIST) and the Mega Science, Technology & Industry Expo. CSIR Laboratories participated in a big way with display of their product and technologies. CSIR won the first prize for the exposition set up. Also, as part of the event, "Science Village" was set up at CSIR-NBRI where progress of science was displayed.

1.5 Laying of Foundation Stone of Science and Technology Intervention for Projects of The North East Region (STINER) at CSIR - NEIST

Dr. Jitendra Singh, Hon'ble Minister of State for Department of North Eastern Region (DoNER), has laid the foundation stone of the Science and Technology Intervention for Projects of the North East Region (STINER) at CSIR-NEIST, Jorhat. Once functional, STINER will be the central hub for all technologies produced by CSIR-NEIST to be spread to all the eight

northeastern States which would act as spokes to the central hub at CSIR-NEIST.

1.6 CSIR Intellectual Property

The Patent position for this month is given below:

Patents Filed		Patents Granted	
India	Abroad	India	Abroad
13	24	13	29

1.7 Awards

Dr. T.D. Ranjan, Principal Scientist, CSIR-NIIST, Thiruvanthapuram has been conferred the 'NACE International Gateway India Section (NIGIS)' Award for Excellence in Corrosion Science and Technology Instituted by the National Association of Corrosion Engineers (NACE).

1.8 Significant Events

(a) Conferences, Workshops Organized

CSIR-NML, Jamshedpur organized a three-day corporate training programme on "Mineral Characterization and Beneficiation" for executives of Mining and Mineral Resources, Democratic Republic of Congo.

(b) Agreements/Memorandum of Understanding Signed

- (i) CSIR-CECRI, Karaikudi signed an MoU with M/s Tata Chemicals to explore collaborative ways for scaling up technology of manufacturing cathode materials for Lithium-ion cells.
- (ii) CSIR-CIMAP, Lucknow signed an MoU with Tezpur University, Assam to implement CSIR-Aroma Mission and rural technologies in the North eastern region.
- (iii) CSIR-CMERI, Durgapur signed an MoU with Indira Gandhi Krishi Vishwavidyalaya, Raipur for joint R&D activities and research programs.
- (iv) CSIR-IIP, Dehradun signed an agreement with M/s Nagarjuna Energy Private Limited, Hyderabad. It has also signed a non-disclosure agreement with M/s M.K. Agro Tech P. Ltd., Srirangapatna on 'Technology related to biodiesel production from non-edible feed stock'.
- (v) CSIR-NEIST, Jorhat signed two MoUs with M/s Aroma India Pvt. Ltd., Guwahati for improved variety of lemon grass and also for marketing of aromatic oils in the north east under CSIR's Aroma Mission.

2. Consultancy Development Centre (CDC)

- Certificate Programme on Consulting on Franchise Scheme – Certificate Programme in Management Consulting was conducted by Dronocharya Group of Institutions, Greater Noida from 25th to 28th September, 2018.

Exams for the programme was conducted jointly by CDC and Dronacharya on 1st October, 2018 at Dronocharya Group of Institutions, Greater Noida.

- Programme on 'Managing Recovered Resources with Recycling Industries' was held at Consultancy Development Centre (CDC) in collaboration with Five Elements Environment Ventures Pvt. Ltd. Mumbai, Knowledge Management Partner Institution (KMPI) of CDC.

PUBLIC SECTOR ENTERPRISES

1. National Research Development Corporation (NRDC)

- NRDC has collected a royalty of Rs. 4.29 Lakh during October, 2018 on account of commercialization of technologies assigned to NRDC by public funded research organizations and others.

2. Central Electronics Limited (CEL)

- Central Electronics Limited continued its activities in the area of solar photovoltaic systems, electronic gadgets for Railway and other electronic equipment/components etc. The company manufactured electronic components/systems/ SPV products worth Rs. 1201.37 Lakhs and realized sale of such items worth Rs.1118.49 Lakhs during October, 2018. CEL received 15th National Award for Excellence in Cost Management from Institute of Cost Accountants of India.
