

No. DSIR/MS/2017/11
Government of India
Ministry of Science & Technology
Department of Scientific & Industrial Research
MONTHLY SUMMARY FOR THE CABINET
(For the month of **November, 2017**)
(Part-I Unclassified)

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

MAJOR ACHIEVEMENTS DURING THE MONTH OF November, 2017:

DEPARTMENTAL ACTIVITIES

1. Industrial R&D Promotion Programme

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

- 14 in-house R&D units of industries were granted recognition and 13 were granted registration certificates.
- 25 in-house R&D units of industries were granted renewal of recognition and 24 were granted renewal of registration certificates.

Scientific and Industrial Research Organization (SIROs)

Recognition/ Registration and Renewal of SIROs

- 06 SIROs were granted renewal of recognition and 03 were granted renewal of registration certificate.

Public Funded Research Institution (PFRIs)

Registration and Renewal of PFRIs

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

Fiscal Incentives for Scientific Research

- 10 industries were approved for issuance of form 3 CM under Section 35(2AB) of IT Act under weighted tax deduction.
- 70 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.75642.29 lakhs.

AUTONOMOUS BODIES

1. Council of Scientific & Industrial Research (CSIR)

1.1 CSIR-IGIB : Developed a Technique For Sensing Throat Infection

CSIR- IGIB, New Delhi, has developed a new sensor-based technique for detecting the presence of *Streptococcus pyogenes* bacteria, the most common cause of throat infections. It is claimed to be quick and cost-effective. The device, a DNA chip-based sensor, consists of a carbon electrode embedded with gold nanoparticles to improve its electronic

properties. Many small-sized DNA probes are located on the modified chip. They attach themselves to the target DNA samples of bacteria taken from throat swabs of the patient. The new sensor has been found to be better than earlier reported sensors due to its ability to pick up bacterial DNA even if present in small numbers, within 30 minutes.

1.2 CSIR-IIIM : Successful Cultivation of Bananas In Jammu And Kashmir

CSIR-IIIM, Jammu has been successfully cultivated bananas for the first time in Jammu & Kashmir. The saplings of Bhim Grand Naine (G-9) variety were grown by tissue culture technique.

1.3 CSIR-CFTRI: Launched 'SME Corner' to Facilitate Small Scale Food Businesses In India

CSIR-CFTRI, Mysuru has launched an online platform called 'SME Corner' that connects SMEs with CFTRI. The platform aims to help Small and Medium Enterprises (SMEs) to set up food businesses.

zones for drilling productive wells to meet water demand of the city.

1.4 CSIR Intellectual Property

The Patent position for this month is given below:

Patents Filed		Patents Granted	
India	Abroad	India	Abroad
18	88	20	69

1.5 Honors & Awards

- (i) Dr. Vijaymohanan K. Pillai Director, CSIR-CECRI, Karaikudi has been elected as fellow of the Indian National Science Academy for his important contributions to materials, Electrochemistry and Energy Storage.
- (ii) Dr. Jayati Trivedi, Scientist, CSIR-IIP, Dehradun has received Green Talent Award by Germany's Federal Ministry of Education and Research, for his environmental research work.
- (iii) CSIR-NCL, Pune was awarded with the Clarivate Analytics India Research Excellence Citation Award 2017 in the category of Natural Sciences.

1.6 Significant Events

(a) Conferences, Workshops Organized

- (i) CSIR-CCMB, Hyderabad in collaboration with Colorado State University and United States India Educational Foundation (USIEF) has organized a six days' workshop on 'Long-Term wildlife monitoring: ecological and statistical considerations'.
- (ii) CSIR-CDRI, Lucknow has organized two days' symposium on 'Molecular Medicines for Lifestyle Diseases Emerging Targets and Approaches'.
- (iii) CSIR- NEIST, Jorhat has organized a three days' project development workshop on 'Technology Empowerment of North-East Water, Energy and

Communication Solution (TENE-WECS).

- (iv) CSIR-NPL, Delhi has organized 33rd Asia Pacific Metrology Programme (APMP), General Assembly and Related meeting for six days. On this occasion, a symposium on 'Indian Strategy for Quality Infrastructure' was inaugurated by Dr. Harsh Vardhan, Hon'ble Minister of Science & Technology, Earth Sciences and Environment Forests & Climate Change.

(b) Agreements/Memorandum of Understanding Signed

- (i) CSIR-CDRI, Lucknow has signed an MoU with NIPER for research collaboration and development of pharmaceutical sciences.
- (ii) CSIR-CFTRI, Mysuru, in association with Kautilya Entrepreneurship and Management Institute, Jain University, Bengaluru has conducted the second version of its joint programme to encourage and promote start-ups in the food processing sector.
- (iii) CSIR-IMTECH, Chandigarh has signed an MoU with Kumon Organic Products Ltd., (KOPL), Bengaluru for an anti-bacterial product to be used in personal care.
- (iv) CSIR-NCL, Pune has signed an MoU with Pharmacopoeia Commission (IPC) for joint research collaboration.

2. Consultancy Development Centre (CDC)

2.1 Plan Projects

- Certificate programme on Franchise Scheme - Certificate Programme in Technical consulting and examination was conducted at Dronacharya Group of Institutions, Greater Noida.
- Software feature enhancement of CDC website and conversion of same in Hindi : Contents are being uploaded in Hindi version of CDC website.

PUBLIC SECTOR ENTERPRISES

1. National Research Development Corporation (NRDC)

- NRDC has been assigned seven technologies by Mahatma Gandhi Institute for Rural Industrialization, Wardha. The details are given below :

Sr. No.	Technology ; Name of Lab/University : Mahatma Gandhi Institute for Rural Industrialization, Wardha.
1	A nutraceutical supplement for acidity.
2	A nutraceutical supplement for asthma.
3	A nutraceutical supplement for constipation.
4	A novel aphrodisiac nutraceutical supplement.
5	A novel calcium-iron nutraceutical supplement.
6	A novel galactagogue nutraceutical supplement.

7	A novel floor cleaning formulation and method thereof.
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- NRDC has licensed one technology to M/s. Primus Biotech, one technology to M/s Linga Chemicals, one technology to M/s Surya Power Tree and one technology to M/s Kamat Chlorotech. NRDC has collected a premia of Rs. 5.5 Lakh from licensing of these technologies during November, 2017. The details are as given below :

Sr. No.	Licensee	Technology	Premia (Rs)
1	M/s Primus Biotech	Seaweed Extract Fertiliser	50000
2	M/s Linga Chemicals	Seaweed Extract Fertiliser	50000
3	M/s Surya Power Tree	Solar tree 3 Kwp	250000
4	M/s Kamat Chlorotech	ROT-FIX a broad spectrum environment friendly formulation for control of Root Rot Disease in Mulberry.	200000
		Total	5,50,000

- NRDC has collected a royalty of Rs.18.76 Lakh during November, 2017.

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 has manufactured electronic components/systems/ SPV products worth Rs.2248.93 Lakhs and realized sale of such items worth Rs. 1869.77 Lakhs during November, 2017.
