

**No. DSIR/MS/2018/12**  
Government of India  
Ministry of Science & Technology  
Department of Scientific & Industrial Research  
**MONTHLY SUMMARY FOR THE CABINET**  
(For the month of **December 2018**)  
(Part-I Unclassified)

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

**MAJOR ACHIEVEMENTS DURING THE MONTH OF DECEMBER, 2018:**

**DEPARTMENTAL ACTIVITIES**

**1. Industrial R&D Promotion Programme**

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

- 06 in-house R&D units of industries were granted recognition as well as registration certificates.
- 10 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**

- 02 SIROs were granted recognition and 01 was granted registration certificates.

**Public Funded Research Institution (PFRIs)**

**Registration and Renewal of PFRIs**

- 05 PFRIs were granted renewal of registration.

**Fiscal Incentives for Scientific Research**

- 05 industries were approved for issuance of form 3 CM under Section 35(2AB) of IT Act under weighted tax deduction.
- 50 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.288540.60 Lakhs.

**AUTONOMOUS BODY**

**1. Council of Scientific & Industrial Research (CSIR)**

**1.1 CSIR-CIMAP : Setting up of World's Biggest Gene Bank of Medicinal Plants.**

Indian mint, Iranian saffron, Sri Lankan black pepper and mace from Indonesia, along with over 300 spices and medicinal plants will have their genetic information profiled and saved at the gene bank in CSIR-CIMAP, Lucknow. Once established, it will be the biggest gene bank of medicinal

and aromatic plants in the world. The plants are native to 23 countries bordering the Indian Ocean. The countries are represented by their consortium of Indian Ocean Rim Association (IROA).

**1.2 CSIR-CSIO: Developed Lighting and Signal system for Helicopter Landing on Ship's Deck at Night.**

CSIR-CSIO, Chandigarh has developed a lighting and signal system for helicopter's landing on the ship deck at sea. The HVLAS (Helicopter Visual Landing Aid System) technology has been transferred to Welcome Pvt. Ltd., Mumbai. It is an electronic system designer and system integrator built for the requirements of the Navy and Coast Guard.

**1.3 CSIR-IIP & DRDO : First Military Aircraft Flies using Blended Bio-Jet Fuel.**

The AN-32 transporter aircraft of the Indian Air Force made its first military flight using blended bio-jet fuel in Bengaluru through the combined efforts of DRDO, Directorate General of Aeronautical Quality Assurance (DGAQA) and CSIR-IIP, Dehradun. The bio-jet fuel has been processed by CSIR-IIP.

**1.4 Inter-Ministerial Cooperation for Promotion and Facilitation of Innovative Research on Phytopharmaceuticals**

Council of Scientific & Industrial Research (CSIR), Department of Biotechnology (DBT) and Indian Council of Medical Research (ICMR) have entered into a Memorandum of Understanding (MoU) for inter-ministerial cooperation. The MoU amongst CSIR, DBT and ICMR is for mutual collaboration to develop phytopharmaceutical products for therapeutic use following international standards and norms for establishing safety, quality, standardization and efficacy. The effort would be to take forward the leads already existing with CSIR, DBT and ICMR and develop specific collaborative projects in the domain aiming at rigorous modern scientific testing and development of standard products to maintain global competitiveness.

**1.5 CSIR Intellectual Property**

The Patent position for this month is given below:

Patents Filed		Patents Granted	
India	Abroad	India	Abroad
21	16	12	24

**1.6 Awards**

- (i) CSIR-IIIM, Jammu received the 'Ultra International Team Award" at the International Congress & Expo-2018 organized by the Essential Oil Association of India.

- (ii) Prof. Sunil Kumar Singh, Director, CSIR-NIO, Goa has been elected as a Fellow of the Indian National Science Academy (INSA), New Delhi.
- (iii) CSIR-SERC, Chennai received SKOCH-Order-of-Merit award for its skill development projects under the Integrated Skill Initiative Programme, qualifying among the top.

## **1.7 Significant Events**

### **(a) Conferences, Workshops Organized**

- (i) CSIR-CDRI, Lucknow organized a three days National Workshop sponsored by the Department of Science & Technology on 'Small Molecule Analysis by NMR Spectroscopy & Mass Spectrometry'.
- (ii) CSIR-CFTRI, Mysuru organized: (i) jointly with Association of Food Scientists and Technologists and Defence Food Research laboratory(DFRL – DRDO) and supported by MoFPI and FSSAI, a 4-days 8<sup>th</sup> International Food Convention (IFCoN 2018) with focal theme "Holistic Approaches for Startup, Food Innovation and Human Resource Training for Agriculture and Food Industry Gemmation"(HASHTAG); (ii) a two-day Mega Food Expo as part of the Eight International Food Convention and (ii) in collaboration with Coconut Development Board (CDB), an one day National Conference for Virgin Coconut Oil (VCO)'.
  - (iii) CSIR-CIMFR, Dhanbad organized a two-day National Seminar on 'Rock Blasting Techniques – Challenges and Opportunities'.
  - (iv) CSIR-IHBT, Palampur organized a two-day awareness-cum-training programme on the process and technologies to cultivate aromatic crops under CSIR's Aroma Mission for the tribal farmers from West Kameng, West Siang and Tawang districts of Arunachal Pradesh.
  - (v) CSIR-NBRI, Lucknow organized a four-days hands-on training on 'Aloe species cultivation and its products processing' for farmers and entrepreneurs.
  - (vi) CSIR-NISTADS, New Delhi organized a National Discussion Meeting on 'Intuitive Knowledge in Vedanta and Modern Science: Characterization, Evidence and Implications'.

### **(b) Agreements/Memorandum of Understanding Signed**

CSIR-NIO, Goa has signed an agreement for scientific cooperation in research with the Indian Institute of Tropical Meteorology, Pune for development of integrated modeling and monitoring systems for effective air pollution assessment and applied research on regional and national scales.

## **2. Consultancy Development Centre (CDC)**

- Certificates given to the successful candidates of 16<sup>th</sup> batch of Certificate programme in Technical Consulting. Developed draft course contents for Certificate programme in Strategy Consulting.

## **PUBLIC SECTOR ENTERPRISES**

### **1. National Research Development Corporation (NRDC)**

- NRDC has been assigned four technologies by TRIFED-IIT, Delhi; one technology by TRIFED-Shriram Institute for Industrial Research, Delhi and one technology by TRIFED- Birla Institute of Technology, Mesra, Jharkhand.

### **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. 925.40 Lakhs and realized sale of such items worth Rs.1081.47 Lakhs during December, 2018. An old outstanding amount of Rs. 3.02 Cr., which was due from Assam State Electricity Board since 2008-09 was also realized during December, 2018.

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