

=No. DSIR/MS/2025/04  
Government of India  
Ministry of Science & Technology  
Department of Science & Industrial Research

(Part-I Unclassified)

**Subject: MONTHLY SUMMARY (For the month of April 2025)**

**Major achievements during the month of April 2025**

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

**New Products/Processes/ Technologies developed**

- **CSIR-CBRI**
  - o Developed technology for Mud Block Making Machine
- **CSIR-IHBT**
  - o Developed technology for Natural Menthol Production.
  - o Developed a hydroponic process for ashwagandha cultivation.
- **CSIR-IIP**
  - o Developed a catalytic process for the utilization of CO<sub>2</sub> for the production of xylene rich aromatics.
- **CSIR-NIIST**
  - o Developed products from avacado fruit (dehydrated and powders, fruit and seed oil, spray dried powder, Avacado fruit leather etc).

**Technologies licensed/transferred**

- **CSIR-CFTRI**
  - o Technology for Osmo-air dried fruits (Amla, Jackfruit, Pineapple & Mango) transferred to M/s Thakshil Technologies Pvt Ltd, Bangalore.
- **CSIR-IIP**
  - o Technology for Improved Jaggery Making Plant licensed to M/s Shivach Organic Produce, Meerut
- **CSIR-IMMT**
  - o Technology for Terafil Water Filtration transferred to M/s Aniol Innovations LLP, Bhubaneswar, Odisha, on 03/04/2025.
- **CSIR-NAL**
  - o Technology for Manufacturing and Commercialization, Marketing & After-sales Support, for Flight Training and Allied Applications of HANSA-3(NG) Two-Seater Trainer Aircraft transferred to M/s. Pioneer Clean Amps Pvt.Ltd., Mumbai.

**Number of New Projects initiated (01/04/25-30/04/25)**

Lab/Institute	CSIR	Ministry/Govt./PSU	Industry/sponsored/ Pvt
CSIR-CBRI	Nil	01	05
CSIR-CCMB	Nil	02	Nil
CSIR-CDRI	Nil	01	Nil

CSIR-CECRI	01	Nil	03
CSIR-CEERI	Nil	Nil	02
CSIR-CFTRI	Nil	01	Nil
CSIR-CIMFR	01	03	15
CSIR-CLRI	Nil	Nil	02
CSIR-CRRI	Nil	08	01
CSIR-CSMCRI	Nil	Nil	05
CSIR-IICT	Nil	Nil	09
CSIR-IIP	Nil	Nil	02
CSIR-IMMT	Nil	05	Nil
CSIR-NAL	01	01	01
CSIR-NCL	Nil	Nil	02
CSIR-NEERI	Nil	02	03
CSIR-NGRI	Nil	03	02
CSIR-NIIST	Nil	02	02
CSIR-SERC	Nil	02	04

**Number of Ph.D. scholars joined/ completed (01/04/25-31/04/25)**

Lab/Institute	Completed
CSIR-CDRI	09
CSIR-CECRI	02
CSIR-CFTRI	02
CSIR-CGCRI	01
CSIR-CIMAP	04
CSIR-CIMFR	03
CSIR- CLRI	02
CSIR-CMERI	01
CSIR-CSMCRI	05
CSIR-IGIB	04
CSIR-IHBT	08
CSIR-IICB	03
CSIR-IICT	10
CSIR-IIP	01
CSIR-IMMT	02
CSIR-NAL	01
CSIR-NBRI	02
CSIR-NGRI	01
CSIR-NIIST	07
CSIR-NIO	02

**National Collaborations/Agreements/MoUs Signed**

- **CSIR-CBRI**
  - o MoUs signed with Atal Bihari Vajpayee Institute of Medical Sciences & Dr. Ram Manohar Lohia Hospital (RML Hospital), New Delhi for Fire Safety Audit.
- **CSIR-4PI**
  - o MoUs signed with



- Shri Madhwa Vadiraja Institute of Technology& Management, Bantakal to promote institutional linkage on 03/04/2025.
- Raman Research Institute C V Raman Avenue, Bengaluru to promote institutional linkage on 25/05/2025.
- **CSIR-CBRI**
  - MoU signed with M/s Madhav Institute of Technology and Science, Deemed University, Gwalior Academic and Research interaction on 09/04/2025.
- **CSIR-CCMB**
  - MoU signed with Bannerughatta Biological Park, Karnataka for preserving genetic diversity of species and supporting for conservation breeding by preserving the samples in the "National Wildlife Genetic Resource Bank" for the conservation of Endangered Species (LaCONES).
- **CSIR-CDRI**
  - MoUs to explore other avenues for possible collaboration signed with
    - Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru on 12/04/2025
    - Sri Ramachandra Institute of Higher Education and Research, Chennai on 24/04/2025.
    - All India Institute of Medical Sciences, Rae Bareilly on 24/04/2025.
  - Agreement signed with Adgyl Lifesciences Private Limited, Bengaluru for Micro CT of Rat bones on 15/04/2025.
- **CSIR-CLRI**
  - Consultancy agreement signed with M/s. Avanthi Leathers Ltd, Andhra Pradesh, for the preparation of Environmental Adequacy Report for the Existing Effluent Treatment Plant (ETP) on 09/05/2025.
  - MoUs signed with
    - M/s. Kalapuri Foundation, Kolhapur for the Development of Kolhapur Footwear Cluster in Kolhapur Region on 24/04/2025.
    - Madras Medical College& Rajiv Gandhi Government Hospital, Chennai for data collection on development of Customized Therapeutic Footwear and Classification of Diabetic Foot Ulcer Risk using Gait Abnormalities on 25/04/2025.
- **CSIR-CMERI**
  - MoUs signed with
    - The Department of Non-Conventional And Renewable Energy Sources, West Bengal to reforms of States Renewable Energy Sector on 17/04/2025.
    - West Bengal State University, Kolkata, for academic and R&D collaborations on 29/04/2025.
  - Agreements for engagement of Technical and Business Development consultant on Variable Fee Consultant mode as per the CSIR Guidelines for Technology Transfer and Utilization of Knowledge base-2017 signed with
    - Iglobal Impact ITES Pvt. Ltd. , Durgapur on 01/04/2025.
    - Empretec India Foundation, West Bengal on 01/04/2025.
    - Integrio Solutions LLP ,New Delhi on 01/04/2025.
- **CSIR-CRRI**
  - MoUs signed with
    - School of Planning and Architecture (SPA), Bhopal, Madhya Pradesh for Academic and Research Collaboration in the Areas of Mutual Interest on 04/04/2025.
    - Institute for Steel Development & Growth(INS DAG), Kolkata for Academic and Research Collaboration on 22/04/2025.

- o Tripartite Technology Management Agreement (TTMA) with Government of Karnataka, Benaguluru and M/s Ramuka Global Services LLP, Surat, Gujarat, for Utilization and Implementation of the Technology for ECOFIX (Instant Pothole Repair Mix) on 17/04/2025.
- **CSIR-CSIO**
  - o MoAs signed with
    - ICAR-NIRCA, Rajahmundry
    - PGIMER, Chandigarh
  - o MoUs signed with
    - NMIMS, Chandigarh on 02/04/2025.
    - Shri Dhanwantry Ayurvedic College and Hospital, Chandigarh on 22/04/2025.
- **CSIR-CSMCRI**
  - o Agreement signed with Lloyds Metals & Energy Ltd, Maharashtra, for regular monitoring of the iron ore slurry excess treated water and its suitability & acceptance for discharge in river body (Wainganga River).
  - o Agreement signed with Deendayal Port Authority, Kandla, Gujarat for Development of Container and Multipurpose Cargo Berths
- **CSIR-IGIB**
  - o MoUs signed with Global Health Limited for Collaborative Study on IRAK3 expression in alveolar macrophages & peripheral blood monocytes & cytokine levels on 04/04/2025.
  - o All India Institute of Medical Sciences, Bhopal for Collaborative Research on 21/04/2025.
- **CSIR-IHBT**
  - o MoUs signed for R&D collaboration with
    - Laureate Institute of Pharmacy (H.P. Technical University Research Centre in Pharmaceutical Sciences) Kangra (H.P.) on 03/04/2025.
    - Pandit Sant Ram Govt. Degree College, Baijnath, Kangra (H.P.) on 03/04/2025.
    - Goswami Ganesh Dutt Sanatan Dharam College (GGDSD), Rajpur (Palampur) on 25/04/2025.
- **CSIR-IICB**
  - o MoUs signed with
    - Zasya Life Sciences Pvt Ltd for the Study on GMP Manufacturing and Toxicity profiling of a Lead PROTAC degraders of ASK1 07/04/2025
    - Thalir Aarogyam for the development of Formulations targeting the glucose dehydrogenase enzyme on 07/04/2025.
- **CSIR-IICT**
  - o MoU signed with NCCS Pune for collaborative research on 28/4/2025.
- **CSIR-IMMT**
  - o Agreement signed with
    - Orissa Minerals & Steel Pvt. Ltd. , Rourkela on Iron ore Pelletization Study using pot Grate System.
    - ROMCO Aluminates private Ltd., Odisha, Basic engineering for 10 TPD low soda ATH plant from Odisha bauxite,
    - Paradip Port Trust, Odisha , Environmental Pollution Monitoring in and around Paradip Port
- **CSIR-NBRI**
  - o MoUs signed with
    - Northern India Textile Research Association (NITRA), Ghaziabad for the development and application of fibers from under-utilized plants on 08/04/2025.



- Assam Agricultural University, Jorhat for Academic activities and Floriculture related work on 16/04/2025.
- o MoA signed with DBT, New Delhi for Exploring the genetic resources of Indian Arabidopsis thaliana populations for utilization in Brassica crops against prevalent fungal diseases on 24/04/2025.
- **CSIR-NEERI**
  - o Signed agreement with Nagpur Municipal Corporation for Environmental management plan for mitigation of water hyacinth in the Ambazari Lake, Nagpur City
- **CSIR-NGRI**
  - o MoU was signed with Nuclear Power Corporation of India Limited for Operation and maintenance of deep borehole seismic instrumentation at Gorakhpur Haryana Anu Vidhyut Pariyojana (GHAVP) Site 22/04/2025.
- **CSIR-NIIST**
  - o Agreements signed with
    - Jawaharlal Nehru Aluminium Research Development & Design Centre (JNARDDC), Nagpur for Extraction of gallium from titanium and iron ore industrial waste.
    - Bharat Heavy Electricals Limited, Hyderabad, for Development of low temperature silver paste for HJT solar cells.
- **CSIR-SERC**
  - o MoU signed with Indian Institute of Technology Madras, Chennai for Academic and Research Collaboration on 01/04/2025

#### International Collaborations/Agreements/MoUs Signed

- **CSIR-CDRI**
  - o Agreement signed with Helmholtz Zentrum für Infektionsforschung GmbH (HZI), Germany and IIT Kanpur for Target Identifizierung und hit to lead Optimierung von SRI-12742 gegen MDR Acinetobacterbaumannii (SRI12742-H2L-MDRAB) on 20/04/2025.
- **CSIR-IICT**
  - o MoU signed with the French institutions Centre National de la Recherche Scientifique (CNRS), University of Rennes (UNIVREN), Ecole Nationale Supérieure de Chimie de Rennes (ENSCR), and Institute National des Sciences Appliquées de Rennes (INSA, Rennes) for Indo-French Joint Laboratory for Natural Products and Synthesis towards Affordable Health (IRP NPSAH).

#### Patents Update

Patents Filed			Patents Granted			Patent Prosecutions	
India	Abroad* (Unique Patent Application)	Abroad (Multiple Countries) *	India	Abroad* (Unique Patent Application)	Abroad (Multiple Countries) *	India	Abroad*
18	08	08	01	07	07	08	136
Number of Copyright Applications filed						07	
Number of Design Applications filed						03	

\* Data reported to IPU during April 2025 and may change later during national phase entries. The unique filed/ granted patent may appear in the next months also if its corresponding application is filed/ granted in the respective months.

## High impact S&T services

- **CSIR-CCMB**
  - Provided molecular diagnostic services for 260 families comprising 272 samples.
- **CSIR-CDRI**
  - Provided analytical services to one MSME during April 2025.
  - Supplied 67 experimental animals to outside research organizations for research purposes.
  - Provided service for analysis of sample by IR (Infrared), Mass, NMR (Nuclear Magnetic Resonance) and EM (Electron Microscopy); 545 external samples analysed.
- **CSIR-CEERI**
  - Provided Technical Service for Semiconductor Fabrication to VNIT, Nagpur.
- **CSIR-CRRI**
  - Pavement Design for construction of Approach Road to Cremation Ground at village Bakkarwala for PWD, Delhi
  - Restoration of Rishal Garden to Air Force Bani Camp Road Baprola, Delhi for PWD, Delhi
  - Vetting of Pavement Design of Project Chittoor to Thatchur (43 km Section of Greenfield Alignment for KCC Chittoor Highways Pvt. Ltd.
  - Provided training on "Design, Construction and Quality Control in Flexible & Rigid Pavements" for the MPPWD Engineers for PWD, Madhya Pradesh
  - Characterization of dredged soil from Yamuna River, Delhi for Delhi Jal Board.
  - Load Testings of Bridges of Cuttak-Angul Section (Pkg-II) of NH-42 (New NH-55) in the state of Odisha for National Highway Authority of India (NHAI)
- **CSIR-IIP**
  - Testing and evaluation of the Fire resistant hydraulic fluid for
    - M/s. Lubrichem.
    - M/s. Tina Organics
    - M/s. Total Energies.
- **CSIR-NAL**
  - Provided consultancy service for development of short stack using solid oxide cells to M/s. Hylan Power One Pvt Ltd. Bengaluru
  - Performance evaluation of a typical small gas turbine simulated rotor with curvic coupling for GTRE-DRDO
- **CSIR-NEERI**
  - Towards net Zero: Decarboization Strategy for Petronet MHB Limited
  - Assessment of Source Emissions from Open Pyre Crematoria using briquettes technical guidance for developing and installing one air Pollution Control System for 3-4 open pyres in Green Moksha Chaam, Jaipur
- **CSIR-SERC**
  - Conducted Static Studies on LRPC Steel Strands, M/s. Usha Martin Limited, Chennai

## Outreach Activities

- **CSIR Hqrs**
  - Organised school visit to Govt. Primary & Upper Primary school, Dadupur, U.P to celebrated Janjatiya Gaurav Varsh on 29/04/2025.
- **CSIR-4PI**



- o Organised Summer Science Workshop for Students during 13-16/04/2025.
- **CSIR-CECRI**
  - o Organised Skill Development Training Programmes on
    - Surface coatings for value added products viz. decorative and functional applications during 21-25/04/2025; 45 participants.
  - o Organised Scientist Student Connect Programmes for
    - KV No. 1, Arakkonam and KV, Gill Nagar, Chennai on 16/04/2025; 241 participants.
    - KV No2. Arakkonam (Thakkolam), KV, Avadi on 17/04/2025, 342 participants.
  - o Celebrated World Earth day celebration on 22/04/2025; 30 participants.
  - o Organised Lab Visit for Global Academy of Technology, Bengaluru on 25/04/2025; 22 participants.
- **CSIR-CBRI**
  - o Organised lab visits for
    - Govt. Girls Polytechnic College, Sudhowala, Dehradun on 21/04/2025.
    - National Institute of Technical Teachers Training & Research(NITTR), Chandigarh on 23/04/2025
  - o Participated in Roadshow of E-Tractor and E-Tiller developed by CSIR-CMERI, Durgapur on 30/04/2025; 200 participants.
- **CSIR-CDRI**
  - o Organised Health Awareness Program at Raipur village, Lucknow on 17/04/2025; 260 participants.
  - o Organized a Students-Scientists Interaction Programs for
    - Sir Madanlal Institute of Pharmacy, Etawah, UP on 09/04/2025; 47 participants.
    - Khwaja Moinuddin Chishti Language University, Lucknow, on 28/04/2025; 53 participants.
- **CSIR-CEERI**
  - o Organised lab visit for GSSS Bhojanand BITOT Bagaron 22/04/2025; 48 participants.
  - o Organized SHILP Training program for NIT, Delhi during 01-11/04/2025.
- **CSIR-CFTRI**
  - o Organised Skill Development Training Programme on Food Safety and Standard Laws during 24-25/-04/2025; 63 participants.
  - o Organised Colloquium on Tribal Knowledge and Wisdom for KV, Mysore on 25/04/2025; 41 participants.
- **CSIR-CGCRI**
  - o Organised Skill Development Training Programmes on
    - Terracotta Processing at Chaltaberia, West Bengal 08-09/04/2025; 39 participants.
    - Ceramic Membrane Based Technology, Water & Wastewater Analysis during 02-04/04/2025; 21 participants.
    - Soft Skills and Technical Skills Upgradation on Whiteware Manufacturing and Glaze Application at by CGCRI Khurja Centre 21-24/04/2025; 28 participants.
    - Instrumental Methods for Chemical Characterization of Glass & Ceramic Materials & Testing & Calibration Techniques Related to Temperature Measurement and Control during 23-25/04/2025& 28-30/04/2025; 16 & 15 participants respectively.
- **CSIR-CIMAP**
  - o Organised Skill Development Training Programme on Medicinal & Aromatic Plants during 23-25/04/2025; 64 participants.
- **CSIR-CRRI**
  - o Organised training programs on
    - Design, Construction and Quality Control in Flexible & Rigid Pavements for the MPPWD Engineers during 02-04/04/2025, 07-09/04/2025& 21-23/04/2025; 34, 36 & 36 participants respectively.

- The Applications of Geosynthetics in Road Infrastructure Projects for Galgotias University, Greater Noida, NIT, Goa & VNR Vignana Jyothi Institute of Engineering & Technology, Hyderabad during 07-11/04/2025, 14-18/04/2025 & 21-25/04/2025.
- **CSIR-CSIO**
  - Organised lab visit for Madhya Pradesh Council of Science and Technology on 23/04/25; 207 participants.
  - Organised training program at IISER Mohali; 16 participants.
  - Organised workshops on
    - Fulbright fellowship on 03/04/2025; 90 participants.
    - Additive manufacturing for sustainability during 08-09/04/2025; 100 participants.
- **CSIR-CSMCRI**
  - Organised training program on Seaweed Cultivation & Processing Technology during 28- 30/04/2025; 20 participants.
  - Organised lab visit for JNV, Amreli; 295 participants.
- **CSIR-IHBT**
  - Organised lab visit for Govt. /Public Schools & colleges in the month; 359 participants.
- **CSIR-IICB**
  - Organised lab visit for Gauhati University, Guwahati on 11/04/2025.
- **CSIR-IICT**
  - Organized Students-Scientists Interaction Program for Zilla Parishad High School (ZPHS), Rajampet on 20/04/2025; 250 participants.
- **CSIR-IIP**
  - Organised lab visits for
    - Sapience School ; 50 participants.
    - Aligarh Muslim University on 09/04/2025; 22 participants.
- **CSIR-NIIST**
  - Organised lab visits for PMS College of Dental Science and Research, Trivandrum and L'ecole Chempaka school during the month; 84 participants.
- **CSIR-SERC**
  - Organised awareness programme on Intellectual Property on 17/04/2025; 100 participants.

#### Conferences, Workshops, Major Events

- **CSIR-4PI**
  - Organised Talk by Shri. K. Mahesh Prabhu, Associate Professor, Govt, Engineering College, Ramanagara on The making of Indian Constitution to celebrate Dr. B. R. Ambedkar Jayanthi.
- **CSIR-CBRI**
  - Organised Workshop and Exhibitions on
    - Conservation and Restoration of Cultural Heritage, BHAGVAN (Bharat Heritage and Grandeur- Revitalizing National Assets): A SEARCH, during 14-17/04/2025.
    - Technologies for High Altitude Regions of India on 24/04/2025.
- **CSIR-CCMB**
  - Organised Startup Conclave jointly with CSIR-IICT and CSIR-NGRI on Catalysing Innovation, Connecting Ecosystems during 22-23/04/2025.
- **CSIR-CECRI**
  - Conducted Brainstorming Session on Managing Corrosion Risks in the Automotive Sector on 08/04/2025.
- **CSIR-CFTRI**



- o Organized Lecture by Dr. B. Sesikeran, Former Director NIN, Hyderabad on Food Technology for Public health on 11/04/2025.
- **CSIR-CGCRI**
  - o Organised 7th Platinum Jubilee Distinguished Lecture by Shri K. N. Vyas, HomiBhaba Chair Professor, DAE on 11/04/2025.
- **CSIR-CLRI**
  - o Organised workshop on Waste Utilization: Paving the Way to a Circular Economy; 100 participants.
  - o Celebrated 78th Foundation Day on 24/04/2025.
- **CSIR-CMERI**
  - o Participated in Vruthi 2025-The Clean Kerala Conclave across Kerala.
  - o Organised Nationwide Roadshow of e-tractor & e-tiller on 09/04/2025.
- **CSIR-CRRI**
  - o Organised an awareness programme on Intellectual Property during National Intellectual Property Festival 2025 celebrations on 28/04/2025.
  - o Celebrated AcSIR Foundation Day on 03/04/2005.
- **CSIR-CSMCRI**
  - o Celebrated the 72nd Foundation Day on 11/04/2025.
  - o Celebrated AcSIR Foundation Day
- **CSIR-IGIB**
  - o Celebrated Reminiscence Day on 07/04/2025.
  - o Organised AUGMENT for Autism on 14/04/2025
- **CSIR-IHBT**
  - o Hosted Summit on Smart & Sustainable Agriculture on 22/04/2025.
  - o Celebrated AcSIR Foundation Day.
- **CSIR-IICB**
  - o Organised Lecture by Prof. Samir Kumar Brahmachari on Affordable Genomic Medicine for all: Need for High Throughput Biology as a part of 69th Foundation Day celebrations on 02/04/2025.
- **CSIR-IICT**
  - o Organised Startup Conclave jointly with CSIR-CCMB and CSIR-NGRI on Catalysing Innovation, Connecting Ecosystems during 22-23/04/2025.
- **CSIR-IIP**
  - o Celebrated Dr Bhimrao Ambedkar Jayanti and 66th Foundation Day on 14/04/2025.
  - o Organised International Conference on Shaping the Energy Future: Challenges and Opportunities- SEFCO-2025 during 23-25/04/2025.
- **CSIR-IMMT**
  - o Celebrated 62nd Foundation Day.
  - o Celebrated Utkal Diwas on 01/04/2025.
- **CSIR-NAL**
  - o Organised Lecture on Reliability Concepts in Aerospace Engineering on 23/04/2025
- **CSIR-NBRI**
  - o Organised Bonsai Making Workshop for women during 23-24/04/2025; 200 participants.
  - o Celebrated Earth Day at Netaji Subash Chandra Bose Girls Degree college and enlighten students related to Importance of Earth Day and Mission LiFE.
- **CSIR-NIIST**
  - o Celebrated 13th AcSIR Foundation Day.
  - o Organised Webinars on

- Opportunities for PhD Aspirants in Environmental Science/Engineering, Analytical Chemistry, Microbiology, Biotechnology, Life Sciences.
- Research and Internship opportunities in Food, Nutraceuticals and Agro processing.
- Organised Workshop in collaboration with Swadeshi Science Movement, Kerala on Face to face with frontiers in science for students.
- **CSIR-SERC**
  - Celebrated Dr Bhimrao Ambedkar Jayanti.

#### Visit of high level dignitaries

- **CSIR-4PI**
  - Dr. Shivkumar Kalyanaraman, CEO, Anusandhan National Research Foundation (ANRF)
- **CSIR-CCMB**
  - Dr. Jitendra Singh, Hon'ble Minister of Science and Technology and Earth Sciences visited to inaugurate the Startup Conclave.
- **CSIR-CEERI**
  - The Hon'ble Chief Minister of Rajasthan visited on 20/04/2025.
- **CSIR-CGCRI**
  - Professor Raj Das, RMIT University, Australia visited on 11/04/2025.
  - Prof. (Dr.) Swaminathan Sivaram, INSA Senior Scientist and Honorary Professor at Indian Institute of Science Education and Research (IISER), Pune, to deliver Platinum Jubilee Lecture on 25/04/2025.
- **CSIR-CIMAP**
  - Dr Himanshu Pathak, DG, ICRISAT visited as Chairman, RC, on 24/04/2024.
  - Dr Subrata Gupta, IAS, Secretary, Food Processing Industries, GoI visited to discuss on institutional activities.
- **CSIR-CMERI**
  - Prof. Adarsh Pal Vij, Chairman, Punjab Pollution Control Board as Chief Guest at CoEFM, Ludhiana
- **CSIR-CSIO**
  - Mr. Vaidya Jayant Deopujari, Chairman, NCISM to chart a roadmap for research and training in instrumentation for Traditional Medicine and Ayurveda on 22/04/2025.
- **CSIR-CSMCRI**
  - Smt. Karuna Vakati, IAS (CEO, SERPAP SRLM) for promoting aqua-based livelihoods in Andhra Pradesh on 16/04/2025.
- **CSIR-IICT**
  - Dr. Jitendra Singh, Hon'ble Minister of Science and Technology and Earth Sciences visited to inaugurate the Startup Conclave.
  - Ms. Chow Yunzhi, Manager and coordinators from the Lien Environment Fellowship (LEF) at the Nanyang Environment and Water Research Institute (NEWRI), Nanyang Technological University, Singapore, visited to facilitate the next stage of evaluation of the project proposal 24-25/04/2025.
- **CSIR-NAL**
  - Dr. S. Somanath, Ex. Chairman - ISRO Visited as Chairman RC Meeting on 17/04/2025.
  - Dr. Shivkumar Kalyanaraman, CEO, Anusandhan National Research Foundation (ANRF) visited on 24/04/2025.



- **CSIR-NBRI**

- o Padma Bhushan Dr. Krishna Ella, Co-founder & Executive Chairman of Bharat Biotech Ltd. on 21/04/2025.

#### **Honours/ Awards**

- **CSIR-CRRI**

- o Dr.AK Sinha, Chief Scientists & Sh.Satish Pandey, Principal Scientist, received Path Chintan Hackathon award by Ministry of Road Transport & Highways (MoRTH).
- o Dr.Padma, Dr.Parvathi, Dr.Naveet & Dr. Bharath received the CIDC Vishwakarma Award 2025 for excellence in Road and infrastructure development on 11/04/2025.

- **CSIR-SERC**

- o Received 16th CIDC Vishwakarma Awards "Nation Building-Vision 2047" on 11/04/2025 at Dr. Ambedkar International Centre, New Delhi:
  - Dr. M.B. Anoop, Chief Scientist; Award for Scientist/Academician and Technologist/Innovator.
  - Dr. Smitha Gopinath, Senior Principal Scientist; Award for Sustainable Materials / Practices/Process &Chairman Commendation Trophy(For Textile reinforced concrete for non-corrosive construction applications)
  - Dr. S. Parivallal, Dr.V. Srinivas, Dr.(Ing). Saptarshi Sasmal, Chief Scientists and Dr. B. Arun Sundaram, Principal Scientist; Award for Research & Development in Construction Domain (For Structural Health Monitoring and Life Extension) &Best Maintained Structures / Retrofitting & Rehabilitation(Novel Retrofitting Strategy against Scouring Action of Railway Masonry Arch Bridge)

#### **DEPARTMENTAL ACTIVITIES**

DSIR is the nodal department for granting recognition to in-house R&D units established by corporate companies, Scientific and Industrial Research Organizations (SIROs) and registration to Public funded research Institutions like universities, IIT's, IISc, Regional Engineering College (RECs) other than hospitals. R&D units recognized by DSIR are eligible for customs duty and weighted tax deductions on R&D expenditures by Industry.

#### **Industrial R&D Promotion Programme (IRDPP)**

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

- 21 in-house R&D units of industries were granted Recognition & Registration certificates.
- 79 in-house R&D units of industries were granted renewal of Recognition & renewal of Registration certificates.

##### **Scientific and Industrial Organizations (SIRO)**

- 45 SIROs were granted renewal of Recognition and 29 SIROs were granted renewal of Registration Certificates.

##### **Public funded research Institutions (PFRI)**

- 6 PFRI's were granted Registration Certificates & 4 PFRI's were granted renewal of Registration Certificates.

### **Fiscal Incentives for Scientific Research u/s 35(2AB) of IT Act 1961**

- 6 in-house R&D units of industries were granted Approval in Form 3CM & 7 in-house R&D units were granted Extension of Approval u/s 35(2AB) of IT Act 1961.
- 10 Reports in Form 3CL certifying R&D expenditures of Rs 163.03 Crores for tax benefits u/s 35(2AB) of IT Act 1961.

**DSIR Central Sector scheme ‘Industrial Research and Development (IRD)’** comprises of the four sub-schemes (i) Promoting Innovations in Individuals, Start-ups and MSMEs (PRISM), wherein financial assistance is extended to independent innovators for converting innovative ideas into demonstrable working models / prototypes / processes that may take the form of new or improved products, processes, or services; and assist them to become incubatees / techno-entrepreneurs, (ii) Patent Acquisition and Collaborative Research and Technology Development (PACE), wherein support shall be provided to industries and institutions for development and demonstration of innovative technologies, (iii) Building Industrial R&D and Common Research Facilities (BIRD), wherein support shall be provided for creation of Common Research and Technology Development Hubs (CRTDH) for use by entrepreneurs and industries and (iv) Access to Knowledge for Technology Development and Dissemination (A2K+) wherein studies and conferences in up-coming areas of industrial research shall be taken up besides undertaking a Technology Development and Utilization Programme for Women (TDUPW).

### **Promoting Innovations in Individuals, Start-ups and MSMEs (PRISM):**

Three innovation projects were successfully completed during the month:

- A Pain free affordable and self use glucometer.
- A novel wound healing gel from human omnion chorion powder and psyllium seed polysaccharide with gentamycin for skin burns
- Nutrient pallet formulation

### **A2K+ Studies:**

- The on-going study “Techno-commercial assessment of TRL-6 and above technologies developed in India in academia, research labs and industry” awarded to Foundation for Innovation and Technology Transfer (FITT), IIT Delhi was reviewed on 30<sup>th</sup> April, The study is about techno-commercial assessment of TRL-6 and above technologies developed in India in academia, research labs and industry with reference to Energy & Transportation.

### **Technology Development and Utilization Program for Women - TDUPW /A2K+:**

The following two on-going Projects were reviewed:

- “Technology intervention for product diversification in handloom weaving to promote capacity building for livelihood security of women artisans” supported to Assam Agricultural University, Jorhat
- “Training of Progressive Technologies and Capacity Building for Himalayan Community” supported to Himalayan Environmental Studies and Conservation Organization (HESCO), Dehradun. Under the project, 300 women beneficiaries have been trained on technologies developed by CSIR-NBRI, Lucknow and CSIR-CIMAP, Lucknow.

Around 137 Women Beneficiaries were trained during the month in the field of Sericulture, Aquaculture, food fortification and processing, Ready to Eat food preparation & packaging, paper recycling,



handicraft/handloom, agri-technology under various on-going projects supported under TDUPW/A2K+ sub-scheme of IRD Program of DSIR.

#### **Asian & Pacific Centre for Transfer of Technology (APCTT):**

The following activities were taken up during the month:

- The department forwarded the country statement to Department of Commerce (DoC) and Embassy of India Bangkok for presentation under Agenda Item 5(h) of the Commission Session on 24<sup>th</sup> April 2025.
- The department provided comments on the feasibility study on setting up of Digital Solution Centre (DSC) at Kazakhstan.
- The department along with nominated expert, Shri R.S.Mani, Distinguished Scientist, CSIR Hq., had meeting with Consultant appointed by UN-ESCAP for carrying out the feasibility study on setting up of Digital Solution Centre (DSC) at Kazakhstan. DSIR put forward country's initiatives in Digital space and sought clarifications on 23 technologies offered by Kazakhstan.
- The department nominated Dr. (Mrs.) Anandavalli N., Director, CSIR-Structural Engineering Research Centre (CSIR-SERC), Chennai as key Indian expert to virtually deliver a technical presentation on "Nature Based Solutions (NBS) for climate action and resilience" at the side event during the 81<sup>st</sup> session of ESCAP, APCTT on 23 April 2025 at UNCC, Bangkok, Thailand.

#### **PUBLIC SECTOR ENTERPRISES**

##### **Central Electronics Limited (CEL)**

CEL is an Enterprise under DSIR having an objective to commercially exploit the indigenous technologies developed by national labs and R&D institutions in the country. CEL has developed a number of products through its own R&D efforts and continues to emphasize its leading role in the area of solar photovoltaic systems, electronic gadgets for Railway and other strategic electronic equipment/components among others.

- The company manufactured electronic components/systems/SPV products worth Rs. 648.98 lakhs during the month.
- Sale of electronic components/systems/SPV products worth Rs. 769.45 lakhs was realized during the month.

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

The Corporation continued to lay emphasis on broadening and strengthening the technology resource base by nurturing long-term relationships with R&D institutions, Universities as well as industry.

- The Corporation licensed technology on "Spirulina- Choco bar and Spirulina- Cereal Bar" to M/s Varre Corporate Solutions for commercialization.
- The Corporation signed following MoUs for Technology licensing and providing IPR assistance:
  - International Institute of Information Technology, Bangalore
  - National Institute of Design, Assam
  - Punjab University, Chandigarh
  - NRDC in collaboration with IISC, Bangalore celebrated the World Intellectual Property day on 30 April 2025.
  - CMD, NRDC honoured with PSU Samarpan Award.

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