



‘Patent Filing Activity Meeting By CSIR-URDIP and CSIR-IPU’ August 12-13, 2024



Introduction

A two-day Program on “Patent Filing Activity” was organized at CSIR-CBRI, Roorkee, on August 12-13, 2024. The objective of this program was to address the challenges related to patent filing and to discuss potential new inventions for filing FY 2024-2025.

Day One: August 12, 2024

The programme began with a meeting Prof. R Pradeep Kumar, Director CSIR-CBRI and Dr. Kishore Sreenivasan, Head, CSIR-URDIP. In his opening address, Prof. R. Pradeep Kumar, Director, CSIR-CBRI emphasized the need for CSIR-CBRI to have high-value patent filings path-forward and shared his remarks with the Groups Coordinators/Heads(CSIR-CBRI), IP Coordinator of CSIR-CBRI, and Scientists of CSIR-URDIP and CSIR-IPU. Besides, Dr. Kishore Sreenivasan provided an overview of the meeting’s context and agenda, and expressed his views to the Coordinators/Heads and Scientists. Additional remarks were made by the Scientists of CSIR-URDIP and CSIR-IPU, and the session concluded with a general Q&A.

The day continued with discussions between the visiting team and CSIR-CBRI Scientists, Principal Investigators (PIs). The focus was on identifying and resolving issues related to pending patent applications and exploring new inventions proposed for filing during the current fiscal year (FY 2024-25).

The day continued with in-depth discussions between the visiting team and Scientists of CSIR-CBRI, including Principal Investigators (PIs). The focus was on identifying and resolving issues related to patent filing and exploring new inventions for filing during the current fiscal year (FY 2024-25).



Photos : Session with CSIR-CBRI Scientists/PIs/ Inventors

CSIR-CBRI Scientist	Invention
Dr. Humaira Athar	❖ Development of CO₂ Sequestered Sintered Sintered Lightweight Aggregates from Industrial Waste and a Process therefor
Dr. Chandrabhan Patel Dr. Kanti Solanki	❖ Fire Rescue Device for High-Rise Evacuation
Er. V. Chakradhar Dr. S. K. Panigrahi	❖ Wall Plastering Machine
Er. Siva R. Chidambaram	❖ Universal Textile Reinforced Composite Foldable Panels for Strengthening RC Elements with Intermittent Hybrid Anchorage
Er. Siva R. Chidambaram	❖ Mechanical Lap to Connect Adjacent Rebars
Er. Siva R. Chidambaram	❖ Wet-Based Precast Beam-Column Connection With Shear Key and Extended Stub
Dr. R. S Bisht	❖ Modular Large Scale Gantry Based 3-D Concrete Printer and Concrete Printing Method

Day Two: August 13, 2024

The second day of the program was inaugurated by Ar. S.K. Negi, Chief Scientist, the inaugural session was attended by key participants, Dr. D.P. Kanungo, Chief Scientist, Dr. Kishore Sreenivasan, Head, CSIR-URDIP, Mr. Nadeem Ahmad, Chief Scientist, Mr. Vineet Kumar Saini, Principal Scientist, Shri. P. Venkataraman, Principal Scientist, CSIR-URDIP Pune, Dr. Kapil Arya, Principal Scientist, CSIR-IPU, Delhi, along with other Scientists from CSIR-CBRI.

Ar. S.K. Negi welcomed Dr. Sreenivasan and the attending Scientists, emphasizing that the program would serve as a valuable platform for knowledge-sharing among the Scientists of CSIR-CBRI. Dr. Kishore Sreenivasan then provided a brief overview of the importance of IP filing its importance for the institute. Following this, Dr. D.P. Kanungo addressed the gathering, encouraging the Scientists to fully leverage the opportunities presented by the program.

The inaugural session concluded with a vote of thanks by Mr. Vineet Saini, after which the presentations commenced.



Inaugural Photos

Then, the presentations were delivered by the experts from CSIR-URDIP and CSIR-IPU focused on key aspects of Intellectual Property.

First lecture delivered by:
Shri. P. Venkataraman, CSIR-URDIP

Topic: Patentability, Freedom-to-Operate and Techno-Commercial Evaluation

He provided insights into the criteria for determining the patentability of inventions and explained the importance of conducting Freedom-to-Operate (FTO) analyses to avoid infringing on existing patents. He also discussed the significance of techno-commercial evaluation in assessing the commercial potential and market viability of inventions, guiding participants on how to navigate the complex landscape of intellectual property rights.



The second lecture delivered by: *Dr. Kapil Arya, CSIR-IPU*
Topic: Awareness of Patents Versus other types of IP (Copyrights, Trademarks, Design, Geographical Indications etc.), Invention Disclosure Forms, Patent Filing, Patent Prosecution

He provided a comprehensive overview of various intellectual property (IP) types, including patents, copyrights, trademarks, designs, and geographical indications. He emphasized the importance of understanding the distinctions between these IP forms and discussed the process of invention disclosure, patent filing, and patent prosecution. The lecture aimed to enhance the participants' knowledge of IP rights and the procedures involved in securing patents.



Following the lecture, department-wise presentations and discussions were held on various ongoing and proposed projects related to IP generation. The departments involved included Architecture Planning & Energy Efficiency, Geotechnical Engineering & Geohazards, Structural Engineering, Building Materials and Environmental Sustainability, Advanced Concrete, Steel and Composite, as well as Heritage & Special Structures. Each department

shared insights on their ongoing R&D activities, particularly focusing on how these projects could contribute to the generation of intellectual property.

The first-of-its-kind patent filing activity at CSIR-CBRI concluded with a summary review of the outcomes, focusing on IP filings and newly proposed patent filings. Mr Vineet Kumar Saini, IP Coordinator, CSIR-CBRI, provided a comprehensive overview of the day's discussions, highlighting key takeaways from highly informative, interactive, and impactful deliberations. The collaborative efforts between CSIR-CBRI, CSIR-URDIP, and CSIR-IPU are anticipated to result in the identification and filing of several new patents, further bolstering the institute's contribution to innovative research and development.

