

National Technology Day Celebrated at CSIR with Transfer of 13 Indigenous Technologies Developed by CSIR-Central Building Research Institute to Industry

CSIR-CBRI Technologies in Fire Safety, Sustainable Construction and Infrastructure Protection Transferred to Industry

Posted On: 12 MAY 2026 10:37AM by PIB Delhi

Marking National Technology Day and reaffirming India's commitment to technology-led growth and self-reliance, the Council of Scientific and Industrial Research (CSIR) organized its monthly Technology Transfer Event at CSIR Headquarters, New Delhi. The event focused on "Technology Transfers by CSIR-Central Building Research Institute (CSIR-CBRI), Roorkee", during which 13 indigenous technologies developed by the institute were transferred to industries and start-ups.

Welcoming the participants, the programme coordinator, Dr. Ajay Chaurasia of CSIR-CBRI, highlighted the significance of industry-oriented technology dissemination in accelerating innovation-led development in the country.

Director, CSIR-CBRI, Prof. R. Pradeep Kumar, while presenting the institute's technological achievements and socially relevant innovations, stated that organizing the technology transfer programme on National Technology Day carries special significance. Prof. Kumar noted that the transfer of indigenous technologies and innovations developed by CSIR-CBRI to industry reflects the growing strength of India's research ecosystem and its contribution towards nation building. Prof. Kumar further emphasized that such initiatives would play an important role in advancing the vision of Aatmanirbhar Bharat, sustainable infrastructure and technology-driven development.



During the programme, 13 technologies developed by CSIR-CBRI were formally transferred to various industries and start-ups. The technologies covered areas such as fire safety, sustainable construction, infrastructure protection, energy efficiency and advanced building materials.

Among the major technologies transferred were:

- Fire-resistant transparent intumescent coating for wood and wood substitute surfaces
- IPN coating technology for protection of RCC structures
- Low-carbon footprint brick manufacturing technology
- Hybrid solar-assisted heat pump system
- Prefabricated high-strength steel cord reinforcement technology for wall protection

On the occasion, a video on “CSIR Smart Village Initiative” was also released, showcasing CSIR’s contributions towards rural development and sustainable technologies. The Annual Report 2025–26 of CSIR-CBRI was also released during the programme.

Addressing the gathering, Dr. N. Kalaiselvi, Director General, CSIR and Secretary, DSIR, stated that science, innovation and technology-based development are emerging as key drivers in India’s journey towards becoming a developed nation. Dr. Kalaiselvi observed that the transfer of indigenous technologies developed by CSIR laboratories to industries is significantly strengthening the national innovation ecosystem and accelerating the realization of the vision of self-reliant India. Dr. Kalaiselvi also congratulated and complimented Team CSIR-CBRI for developing a number of impactful indigenous technologies in recent years and for successfully translating research outcomes into technologies of societal and industrial relevance.

The programme concluded with a vote of thanks by Chief Scientist Dr. S. K. Panigrahi, followed by the National Anthem.

NKR/AK/NM

(Release ID: 2260122) Visitor Counter : 685

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