

Technology handholding with an industry

About the 2IE Cluster

The Innovation, Industry & Entrepreneurship (2IE) Cluster is CSIR-CGCRI's engine room for turning laboratory science into real-world value.

It plans and monitors projects, protects IP, documents results and connects each technology to the industry — across twelve R&D Divisions and Outreach Centres of CSIR-CGCRI.

WHAT WE DO

- Business development & technology transfer
- Project planning, monitoring & data
- IPR & international S&T
- Publications & outreach
- Khurja & Naroda outreach centres

RECENT OUTREACH

Business Conclave 2025	13 Jun 2025
SRISTI start-up conclave, CSIR Innovation Centre, Mumbai	8 Jul 2026
Confluence conclave	4–5 Aug 2025
Lab to Startup, CoCreate Ventures	19 Jun 2026
Bootcamp	3–5 Nov 2026

Ways to Work with Us

The 2IE Cluster is the single window — from first enquiry to agreement and adoption.

Technology licensing

Licences for proven, scaled-up technologies

Co-development

Joint R&D from prototype to field validation

Knowledge transfer

Know-how packages and process documents

Testing & consultancy

NABL/ISO-certified testing and studies

Training

Programmes for MSMEs, artisans and industry

Conclaves & MoUs

Long-term partnerships with industry

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CGCRI
सीएसआईआर CSIR
केंद्रीय काँच एवं सिरामिक अनुसंधान संस्थान
Central Glass & Ceramic Research Institute



Innovation, Industry & Entrepreneurship (2IE) Cluster

Glimpses

CSIR-Central Glass & Ceramic Research Institute

From Ideas to Impact • November 2026



Technology transfer of Glass Foam Bricks

Five Years at a Glance

CSIR-CGCRI, 2021-22 to Nov, 2026-27

₹103.4 Cr	external cash flow from projects, royalty and testing
109	new projects worth ₹15,303.5 lakh
64 | 24	patents filed | granted
604	research papers; SCI impact factor up to 5.42
₹177.9 L	royalty from ToT and IP licensing
311	staff on roll (Sep 2026)

CSIR-CGCRI Scientists and Industry Representatives with the Director General, CSIR

MILESTONE • 30 OCTOBER 2026

Recent ToT at CSIR Headquarters

Technology-transfer, development and knowledge-transfer agreements worth ₹4.06 crore (+ GST) with industry and R&D partners.

TECHNOLOGY TRANSFER (ToT)

Multimaterial Reinforced Bioactive Polyetherketoneketone (PEKK) Composites for Bone Replacement
Eaglesworth Private Limited, Tamil Nadu

TECHNOLOGY DEVELOPMENT MoUs

Development of Nd-Doped Laser Glass Cullet for 2-Litre and 15-Litre Optimization
Raja Ramanna Centre for Advanced Technology (RRCAT), Madhya Pradesh

Development of High Entropy and Zeolite-Based Catalytic Membrane Reactor for Refinery Off-Gas Valorization into High-Quality Syngas and X2P Conversion through Solid Oxide Fuel Cell
Bharat Petroleum Corporation Limited (BPCL), Maharashtra

Transfer of Knowledge Base for Feasibility of Uses of Ceramic Separator in Advanced Energy Storage Systems
Hindalco Industries Limited, Maharashtra

Upgradation of Water Purification Technology of Ceramic Membrane-Based Filter for Domestic Bottled Water
Thirst India Development Foundation, West Bengal

Technology Transfer

Recent licences carry CGCRI science into clean energy, steel and construction.

Solid Oxide Electrolyser Cell
Carborundum Universal • Jul 2024

FBG breakout-detection sensor
TATA Steel • May 2025

Glass foam bricks from waste glass
Sunbright Foam Industries • Jun 2025

Glimpses



SRISTI start-up conclave, C-ICM



SRISTI: academic collaboration



Healthcare panel, Confluence 2025



Boot camp

Outreach Centres

Khurja, UP: Centre of Excellence on Pottery planned; trainees a year up from 51 to 198.

Naroda, Gujarat: ISO 9001:2015 testing for 302 customers (2024-25); granite waste in vitrified tiles.