



List of On-going R&D projects through IRELTDC as on 31.03.2025

S. No.	Project Title	Project Investigator & Institution	Current Technology status
1.	Design and development of flotation column system for the recovery of monazite from IREL mineral separation plant	Mr. Tonmoy Kundu, IMMT, Bhubaneswar	TRL 4
2.	Technology for Rare-Earth added Aluminium Alloys and Products for Aerospace, Marine, Energy and Automotive Applications	Dr. T. P. D. Rajan, NIIST, Thiruvananthapuram	TRL 3/4
3.	Processing of Cerium sulphide Red Pigment from Cerrous Carbonate Precursor Produced by IREL	Dr. S. Ananthakumar, NIIST, Thiruvananthapuram	TRL 3
4.	Dry reforming of methane and CO ₂ using protonic ceramic electrochemical cell	Dr. Suddhasatwa Basu, IIT Delhi	TRL 2
5.	Rare-Earth Corrosion Inhibitor based Corrosion Protection Coatings for Metals/Alloys	Dr R. Subasri, ARCI, Hyderabad	TRL 3
6.	Reduction of surface contamination of Teri heavy mineral sand and dewatering studies on slimes	Dr. T. V. Vijaya Kumar, CSIR-NML, Madras Centre	TRL 3
7.	Exploring the Feasibility of Converting Iron Rich IREL's Red Clay into X- and Gamma Ray Shielding Materials.	Dr. Shabi Thankaraj Salammal, CSIR-AMPRI	TRL 2
8.	Development of Cerium oxide based Dispersions for functional polymer Coatings	Prof Shirish H Sonawane, NIT Warangal	TRL 2
9.	Development of value added abrasion resistant ceramic tiles using fine garnet sand of IREL	Dr. Barun Kumar Sanfui, GCECT, Kolkata	TRL 4
