

List of Ongoing R&D Projects

Sl. No.	Project No.	Title
1.	SOD-13	Effect of Fire on the Residual Mechanical Properties of reinforcing bars and Structural Performance of Reinforced Concrete Beams in flexure & Shear
2.	CON-17	Study of Carbonation and Carbonation induced reinforcement corrosion in new cementitious system
3.	CON-19	Utilization of CO ₂ in Fresh Concrete and Study on Fresh and Hardened Properties of CO ₂ Induced Concrete
4.	SAR-01	Cathodic Protection (CP) of RCC structures to enhance service life of new and existing structures using three system (Sacrificial anode, ICCP and hybrid system)
5.	SAR-02	Evaluation of Concrete Surface Coatings for their effectiveness in service life enhancement of RCC elements under: Carbonation induced corrosion & Chloride Induced Corrosion

List of Completed R&D Projects

Sl. No.	Project No.	Title
1.	SOD-07	Development of Methods for Service Life Design for Concrete Structure
2.	SOD-08	Development of Design Parameters for High Strength Concrete
3.	SOD-09	Studies on the Effectiveness of Different Repairs Systems for Repair, Restoration and Strengthening of Corrosion Damaged Structures
4.	SOD-10	Effect of Supplementary Cementitious Material (SCM's) (Single and Multi Blends) on Service Life of Concrete Structures
5.	SOD-11	Experimental Study on Shear & Compression Design of High Strength Concrete Including Effect of Fibre on Enhanced Ductility & Fire Resistance
6.	CTM-01	Development of Cost-Effective Technology for Low-Traffic Volume Concrete Roads
7.	CTM-02	Development of Geopolymer Concrete for Application in Pavements and Precast Concrete Construction
8.	CTM-03	Use of Advanced Electronics in Construction and Condition Assessment of Concrete Structures
9.	CTM-04	Model Low Cost Housing Sustainable Technology for Mass EWS & LIG/MIG Housing Schemes using Precast/Prefab Systems with Emphasis on Maximization of Waste Based Materials
10.	CTM-05	Studies on Mechanical and Durability properties of High Strength Geopolymer Concrete
11.	CTM-14	Development of Ultra-High Performance Concrete (UHPC) – Including use of Nano Technology for UHPC
12.	CON-09	Performance Evaluation of M40, M60 & M80 Grade High Performance Fiber Reinforced Concrete for Performance Improvement of Concrete Structures
13.	CON-10	Development of Accelerated Mix Design Method for Concrete using PPC or OPC with Flyash
14.	CON-11	Development of Alternatives to Natural Sand for use in Concrete Masonry/Plaster
15.	CON-12	Development of Guidelines for Design of High Performance Concrete Mixes for Long Service Life Using Latest Available Ultrafines and Admixtures
16.	CON-15	Enhancing the Utilization of Construction & Demolition Waste and other Waste Based Aggregates in Concrete Structures & Pavements
17.	CON-16	Fresh, Hardened and Durability Performance Evaluation of Concrete made with PLC
18.	SOD-12	Studies on mechanical and time dependent properties of Very High Strength Concrete (100 to 130 MPa) and Ultra High Strength Concrete (130 To 180 MPa)
19.	CON-18	Utilization of Coarser Flyash (having fineness between 250 m ² /kg to 320 m ² /kg) in Concrete as a Cementitious material