

Training – 6th Batch (25.09.2026 to 26.09.2026)

**Two Days Training Module for AE/EE/SE on
“Repair & Rehabilitation of Concrete Structures”**

DAY – I : DATE: 25.09.2026 (FRIDAY)

TIME	TOPIC	TOPICS TO BE COVERED	RESOURCE PERSONS / DIGNITARIES
9.30 AM – 10.15 AM	Inaugural Session	● Registration ● Opening/Initial / Inaugural /Objective/Expectation, Overview of the Training Program by Dir Training ● Self-introduction of the trainee/Participants ● Introduction by ED about IBC ● Address by Chairman (Trg) /Chief Guest ● Pre Assessment	Dir(Training)/President, IBC /Founder President/ Honorary Secretary, IBC / Chairman, Training Committee / Executive Director, IBC
10.15 AM – 10.30 AM	TEA BREAK		
10.30 AM – 12.00 PM	<u>TOPIC – 1</u> Causes of Deterioration of RCC and Durability Aspects	● Introduction ● Permeability of Concrete, Corrosion ● Durability Aspects ● Stages of Distress etc	Er AK Sharma Fmr SDG,CPWD
12.00 PM – 01.30 PM	<u>TOPIC – 2</u> Condition Survey of Damaged Structures	● Condition Survey ● Field/Lab Tests ● Classification of Damages	Er. Manish Bhatni ,Consultant Cortex Solutions
01.30 PM – 02.15 PM	LUNCH BREAK		
02.15 PM – 03.45 PM	<u>TOPIC - 3</u> Non-Destructive Methods i/c Advanced Techniques of Evaluation of Structures & Demonstration,Codal Requirement,Design etc.	● Non-Destructive Evaluation Tests ● Damage Classification ● Strength Assessment/Structural Integrity ● Design & Codal Requirements	Er. Manish Bharti ,Consultant Cortex Solutions
03.45 PM – 04.00 PM	TEA BREAK		
04.00 PM – 05.30 PM	<u>TOPIC - 4</u> Strength Properties of Concrete & Repair-Rehabilitation	● General outline and need for assessment of strength and mechanical properties ● In-situ Strength vis-à-vis standard cube strength ● In-situ strength assessment through direct and indirect method, case examples of single and multiple regression ● Estimation of standard cube strength, i.e. grade of concrete: IS, BS-EN and ACI recommendations, illustration through	Prof B Bhattacharjee ,IITDelhi,

		case examples ● Estimation of residual strength, elastic modulus, in case of fire damaged concrete, illustration through case example.	
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DAY – 2 : DATE: 26.09.2026 (SATURDAY)

TIME	TOPIC	TOPICS TO BE COVERED	RESOURCE PERSONS / DIGNITARIES
9.30 AM – 10.45 AM	TOPIC – 5 Repair Techniques & Materials	● Selection of Repair materials for Concrete ● Materials for repair ● Essentials Parameters for Repair materials ● Self-flow Micro-Concrete, Polymer Modified Mortars etc	Er Manoj Vasudev, Fosroc Er. Rishabh-Fosroc
10.45 AM – 11.00 AM	TEA BREAK		
11.00 AM – 12.30 PM	TOPIC – 6 Repair Techniques & Materials	● Selection of Strengthening materials for Structures ● Materials for Corrosion Treatment- Sacrificial Anodes etc. ● Essentials Parameters for Choosing Carbon Fibre Wrap or Jacketing. ● Carbon plate Laminates	Er Manoj Vasudev, Fosroc Er. Rishabh-Fosroc
12.30 PM – 01.45 PM	TOPIC – 7 Rehabilitation & Retrofitting methods & Execution methodology	● Repair aspects ● Performance Requirements ● Repair methods ● Repair/Rehabilitation Strategies ● Execution etc.	Er Naveen Verma, Consultant & Execution PMC
01.45 PM – 02.15 PM	LUNCH BREAK		
02.15 PM – 03.45 PM	TOPIC – 8 Approach to retrofitting & Case Study		Er Anil Pandit, Fmr SDG, CPWD
03.45 PM – 04.00 PM	TEA BREAK		
04.00 PM – 05.00 PM	Closing Session	● Post Assessment & Feedback Form ● Address by Dir (Training) ● Hon. Secy/Chairman Training/ED ● Closing Session with Certificate distribution	Dir (Training), President, IBC / Honorary Secretary, IBC / Chairman, Training Committee / Executive Director, IBC