Our Commitment for Quality

BUILDING FIRE RESEARCH CENTRE

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About us:	The Building Fire Research Centre(BFRC) is a fire performance testing laboratory having two decades of experience in determining fire resistance of various building materials. The main objective of BFRC is to be the main catalyst to conduct research and consultancy in the field of structural fire engineering. BFRC has emerged as the prime center for conducting unique fire tests on structural and non-structural elements. BFRC has instilled ISO/IEC 17025:2017 laboratory management system and obtained National Accreditation Board of Laboratories (NABL) accreditation.
Vision:	The BFRC will be recognized internationally for reliable & customer centric testing services & a catalyst in the field of structural fire engineering for research & consultancy.
Mission:	Our mission is to provide Reliable, Accurate, Impartial, Standard, and Efficient service to uplift the product quality for the benefit of our customers.
Services:	Fire Performance Test (Fire Door tests) Fire Safety Audit Repair and Rehabilitation of Structural elements Non-Destructive Testing

We Bring Value to Your Product!

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Fire Performance	Innovation in construction industry has increased the need for determining fire performance of building materials. The fire performance is assessed by exposing the building element to severe fire and fire rating is assigned after a detailed assessment. The fire rating is provided to the element based on insulation, integrity, and stability criteria.
BFRC Accreditation	BFRC since its inception following laboratory management as per ISO/IEC 17025 and continuously showing competency in the field of fire testing to obtain accreditation from NABL. NABL accreditation BFRC, TC-5939.

Fire Rating Standards		**Capable fire rating tests.**	
The fire rating standard that we consider for testing is not limited to the following.		Fire rated doors (Metallic/Non-Metallic doors/Glass)	Glass windows /walls
IS 3614: 2021	ISO 834-1	Chute doors	Glass sliding doors.
IS 16947: 2018	IS/ISO 3008-1	Curtain walls	Rolling shutters
3809: 1979 (2002)	EN 1363-1	Lift landing doors	Wall Panels
BS 476 P-20 to 24	EN 1634-1	Strong room doors	Safety lockers Lintels Special blocks/bricks

Fire Extinguisher Testing	Performance test on portable extinguishers is conducted as per IS 15683 and Fire performance test performed are Class A (1A to 4A) & Class B (8B to 55B).	
	Fire extinguisher types	
	BC Powder Type ABC Powder Type Foam Type	Water Type Water mist Type Clean Agent Type Co_2 Type

BUILDING FIRE RESEARCH CENTRE

Safety is Our First Priority!

Fire Safety Consultancy

- Fire safety has become an integral part of the building to reduce the life risk and property loss.
- To reduce fire accidents in buildings, NBC-2016 specifies minimum fire safety requirements.
- The Fire safety consultancy at BFRC is a two-fold service offered by experienced engineers.
- The broad areas of fire safety consultancy includes Fire safety design solutions to new buildings as well as Fire safety audits to the existing buildings.

Fire safety Services

We at BFRC offer

- Comprehensive buildingfire safety design details and fire safety auditof buildings as per NBC-2016.
- Building fire safety audit to review and evaluate buildings performance against current best practices.
- We also undertake AMC for fire safety assessment of buildings.
- The broad expertise that we offer to our clients are

Fire safety design	Fire safety Audits
Fire Hydrant System	A detailed 3-tier building fire safety audit
Sprinkler Systems	Review and Evaluate building performance
Fire Alarm Systems	Suggest improvement plan to increase fire safety
Fire Extinguishers	
Fire egress system	

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We Add Value to Your Structure

Repair and Rehabilitation of structures

- A civil engineering structure requires periodical review and assessment to extend the serviceability.
- To increase performance and serviceability of the structure, repair and rehabilitation work needs to be carried out.
- The broad expertise of structural engineers at BFRC enables to offer services in the area of repair and rehabilitation of structures.

Services Offered

Repair and Rehabilitation

- A structure will be analyzed in detail by reviewing existing documents as well as by conducting NDT tests.
- The structure will be analyzed in advanced tools by creating as built three dimensional model
- Further, a detailed report with scheme of rehabilitation will be provided to strengthen the existing structures.

Non- Destructive Testing Facility

- Rebound hammer
- Ultrasonic Pulse Velocity
- Rebar detector
- Thermal Conductivity Detector

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