



INDO CONSTRUCTION FASTENING SYSTEMS

A brand of Indo Spark Group Since 1978



Foundation to Finish

Smart Anchoring & Fastening for All Construction Stages

LAYOUT



**STAGES OF
CONSTRUCTION**



**CONSTRUCTION
PROCESS**



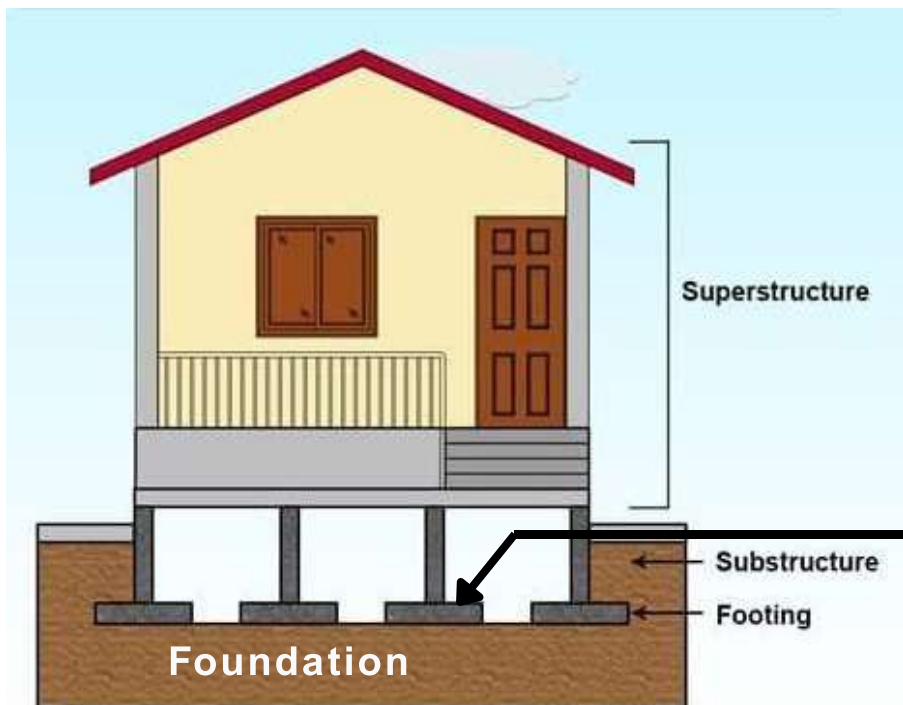
FINAL VIEW



Foundation & Substructure Work

Application For CM585PE-PRO :

- Rock anchoring for footing and retaining walls
- Foundation to column rebaring
- Extremely high load capacity
- Overhead applications possible
- Fixings close to free edges, stress-free anchoring system
- Remarkable seismic resistance



CM585PE-PRO



Rock anchoring

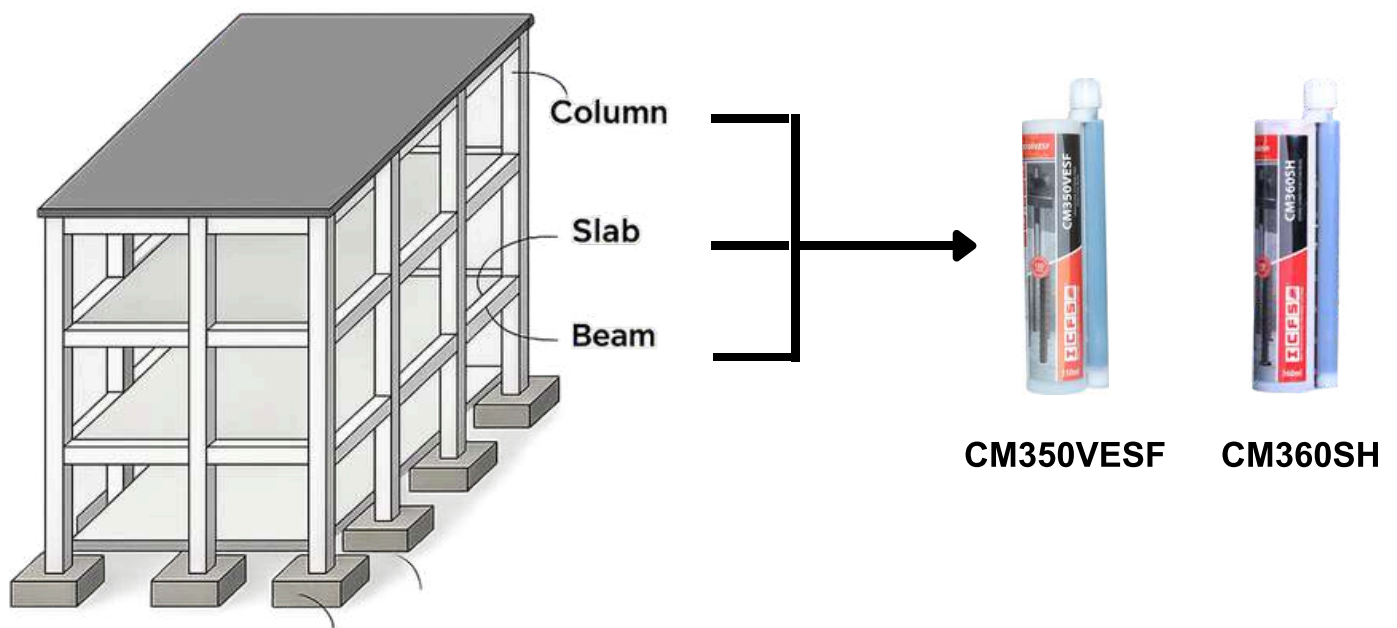


Foundation to column rebaring

Structural Framework (Columns, Beams, Slabs)

Application of CM350VESF, CM360SH For :

- Anchors may be placed close to free edges
- Ideal for overhead applications
- Suitable for use with close edge distance and small anchor spacings
- Suitable for dry, wet & flooded holes
- Extensions to unplanned buildings



Rebaring for beams & Columns



Rebaring for slabs and chajjas

Door, Window & Interior Fixing

Application of nylon plugs (Frame, Hammer Fixings, FD Plugs) for :

- UPVC Window and Door Frame Fixing
- Anchoring into solid masonry or concrete
- Medium-duty applications where reliable grip is essential
- Securing items like wooden frames, electrical boxes, and brackets



Nylon Frame Plug - NFP

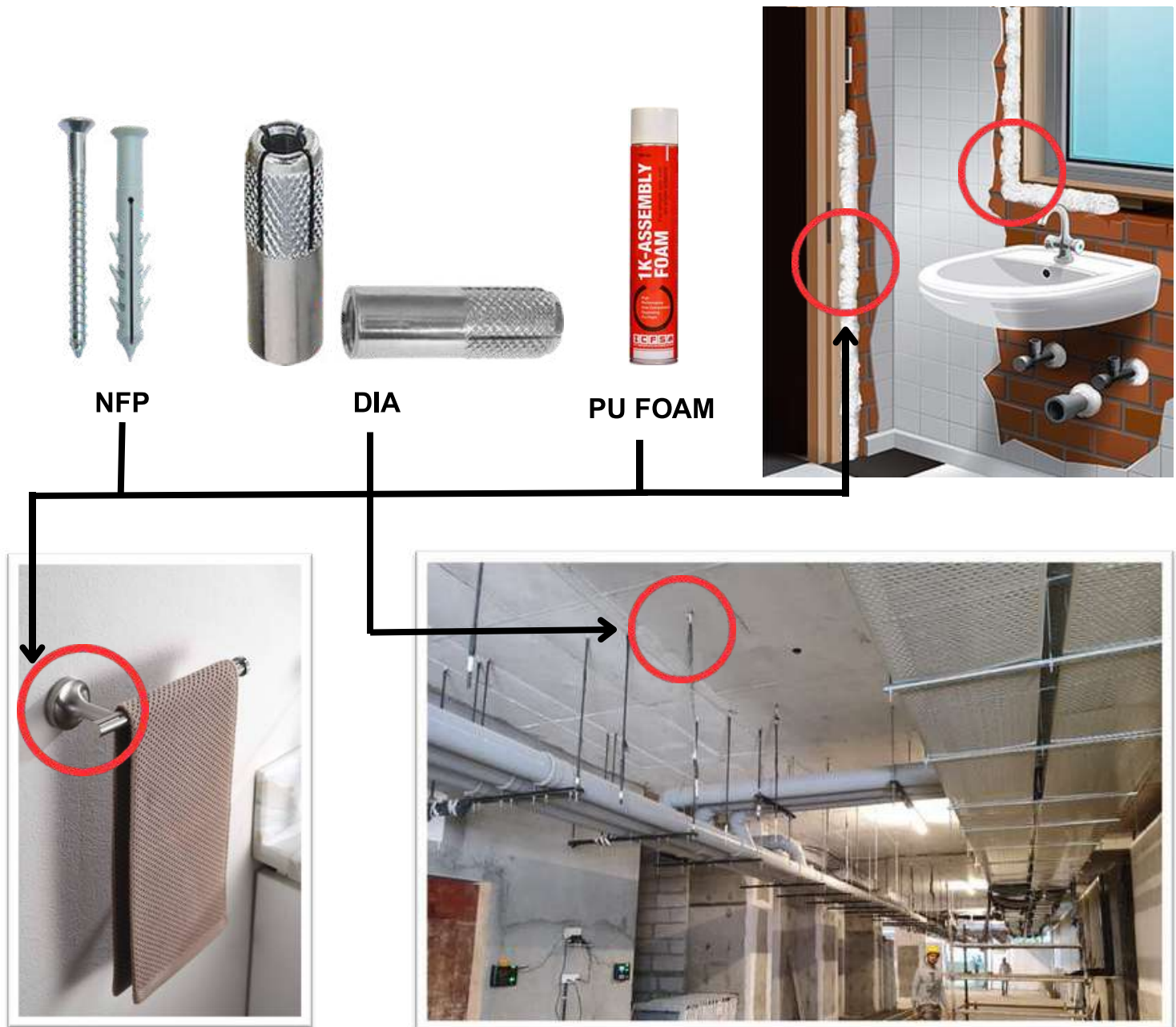


Hex Head Screw- HHS

Mechanical & Interior Fixtures

Application of anchoring systems for :

- Pipelines for water, sewage, and firefighting
- Electrical fixtures, ceiling fans, cable trays, and HVAC
- Bathroom fittings such as commodes, wash basins, and towel hangers
- PU foam fills gaps at door and window joints, around pipes, and core-drilled openings.
- Sprayable PU foam, either with attached nozzle or with re-usable injection gun



Automation & Security Systems

Application of CM350VESF, NFP, IWA, CAS for :

- Anchoring CCTV cameras and surveillance equipment
- Fixing entry gate automation systems
- Installing security barricades and parking control systems



NFP



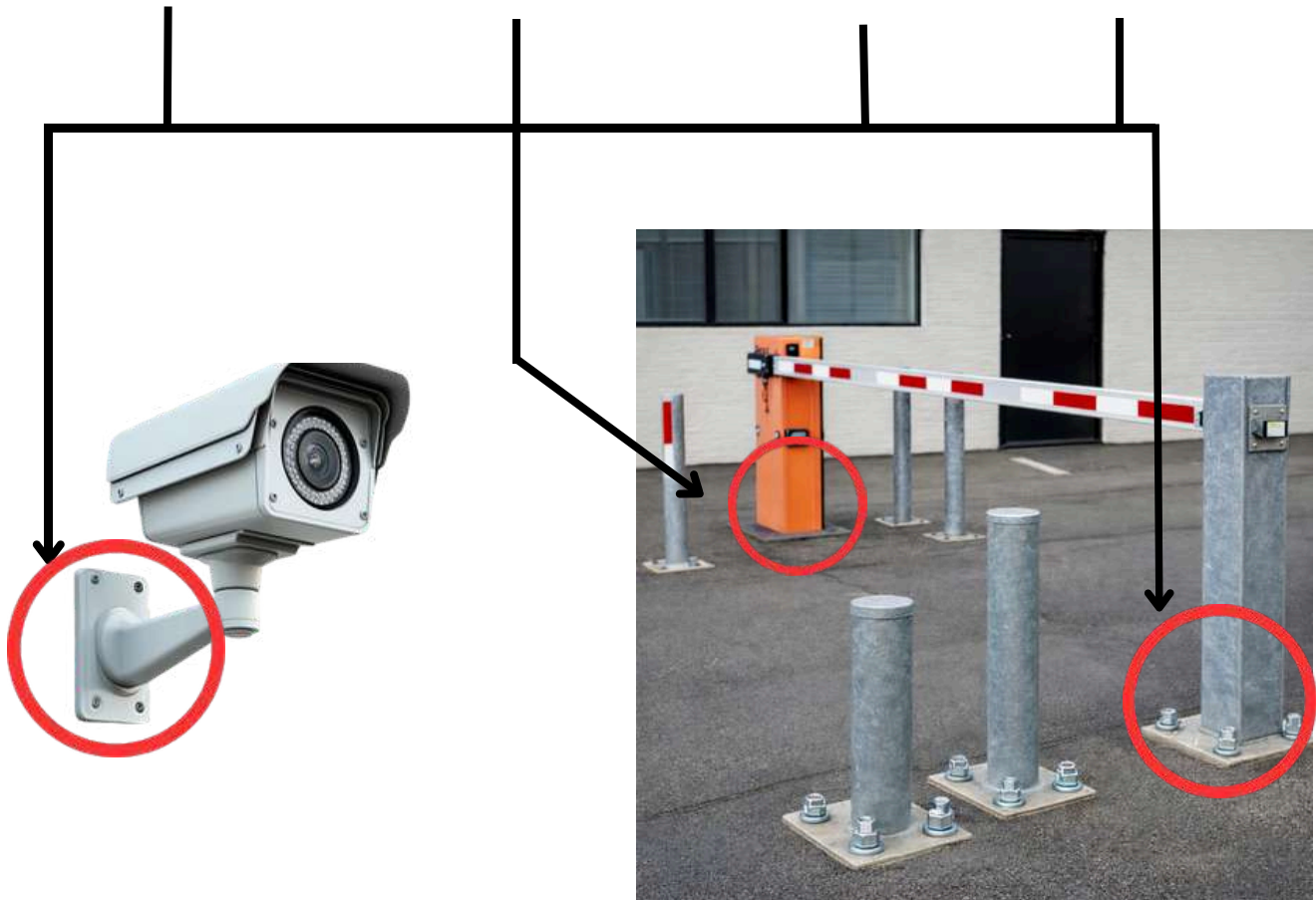
IWA



CM350VESF



CAS



Rooftop & Safety Structures

Application of TBA, IWA

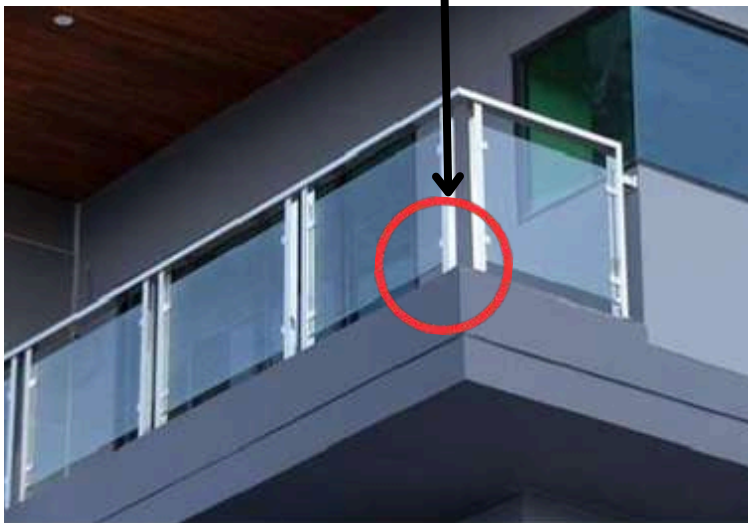
- Solar panel mounting
- Exterior railings
- Rooftop sheds



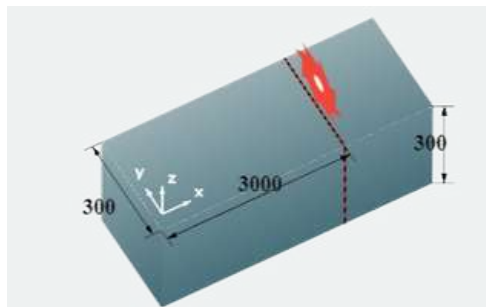
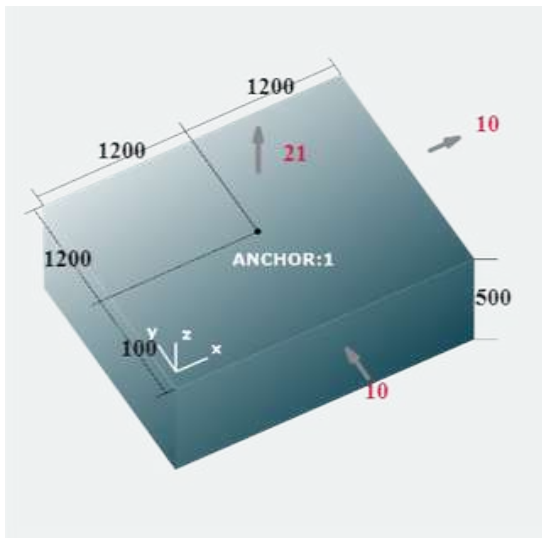
IWA



TBA

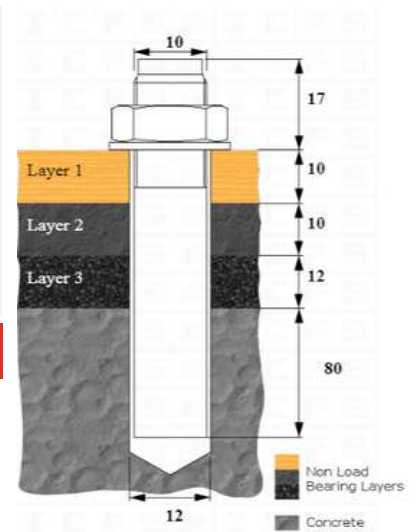


ICFS ANCHOR DESIGN SOFTWARE



ICFS Beam Cut 1

Area	0.09 m ²
Volume	0.27 m ³
Weight	675 kg



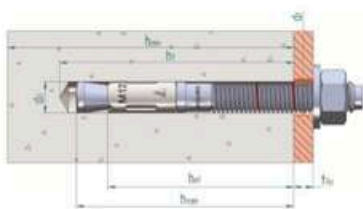
INDO SPARK CONSTRUCTION SERVICES
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 email : mail@indospark.com
 Toll Free No.: 1800 123 000 023
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Project

Reference code
 Design office
 Person in charge
 Construction Office
 Person in charge

Selected Products

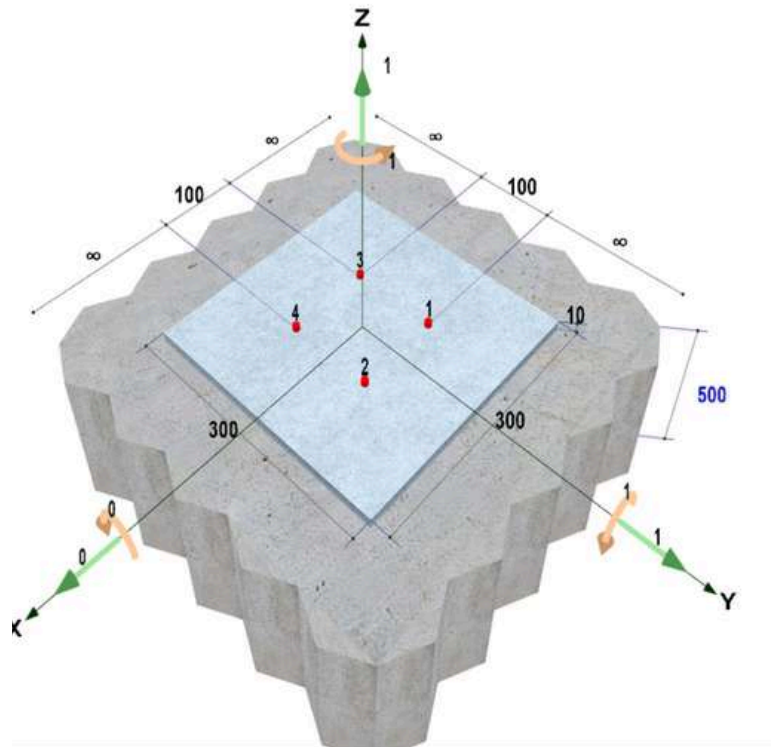
Anchor (name)	IWA anchor
Approval	ETA 16/0502
Size	M8 x 90
Article code	IWA 890
Coating/Material	Zinc plated






























































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INDO SPARK CONSTRUCTION SERVICES
 416003 Maharashtra India
 ETA 16/0502
 1219
 Structural fixings in non cracked concrete

Anchor data

d	Anchor/thread diameter:	8.0 mm	t _{fix}	Thickness of fixture:	10.0 mm
d _{out}	Outside diameter of anchor:	8.0 mm	SW	Spanner:	13.0 mm
d _h	Drill hole diameter:	8.0 mm	T _{set}	Max setting torque	20.0 Nm
h ₁	Depth of drilled hole:	65.0 mm			
h _{set}	Setting depth:	60.0 mm			
h _{eff}	Effective anchorage depth:	48.0 mm			
d _f	Diameter of clearance hole in fixture:	9.0 mm			



ICFS Products Needed for Every Modern Building

Sr. No.	Model	Type of Anchorages & Cartridge	Approvals For Chemical & Mechanical Anchors																		
1)	ICFS CM585PE-PRO Pure Epoxy Dual (3:1)		 Concrete (non-cracked)	 Concrete (cracked)	 Static/ quasi static	 Hammer drilled holes	 Diamond drilled holes	 Small edge distance and spacing	 Variable embedment depth	 SEISMIC 11 & 12	 Long Curing Time Min. 8 Hours	 Threaded Rod M8-M24	 Bolt M6-M20	 100 YEARS	 Suitable for dry or wet or water filled	 Rock Anchoring	 HCR highMo	 A4 316			
2)	ICFS CM360SH Seismic Hybrid Dual(10:1)		 Concrete (non-cracked)	 Concrete (cracked)	 Static/ quasi static	 Hammer drilled holes	 Diamond drilled holes	 Small edge distance and spacing	 Variable embedment depth	 SEISMIC 11 & 12	 Quick Setting Min. 30 Mins	 Threaded Rod M8-M24	 Bolt M6-M20	 100 YEARS	 Suitable for dry or wet	 Rock	 HCR highMo	 A4 316			
3)	ICFS CM350VESF Vinylester Dual(10:1)		 Concrete (non-cracked)											 Quick Setting Min. 1 Hour	 Threaded Rod M8-M24	 Bolt M6-M20	 100 YEARS	 Suitable for dry			
4)	ICFS Indo Wedge Anchor (IWA) Sizes : M8-M24		 Concrete (non-cracked)						 Dry internal condition											 50 YEARS	
5)	ICFS Indo Prime Bolt Zone (IPBZ A4) Sizes : M10-M12 Fire Exposure		 Concrete (non-cracked)	 Concrete (cracked)	 Static/ quasi static				 Dry internal condition	 SEISMIC 11 & 12											 50 YEARS
6)	ICFS Indo Prime Bolt Zone (IPBZ DP) Sizes : M10, M12, M16 Fire Exposure		 Concrete (non-cracked)	 Concrete (cracked)	 Static/ quasi static				 Dry internal condition	 SEISMIC 12											 50 YEARS

Our Clientele



CHANNEL PARTNER



INDO SPARK CONSTRUCTION SERVICES

CORPORATE OFFICE

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