



INDO CONSTRUCTION FASTENING SYSTEMS

A Brand of Indo Spark Group Since 1978

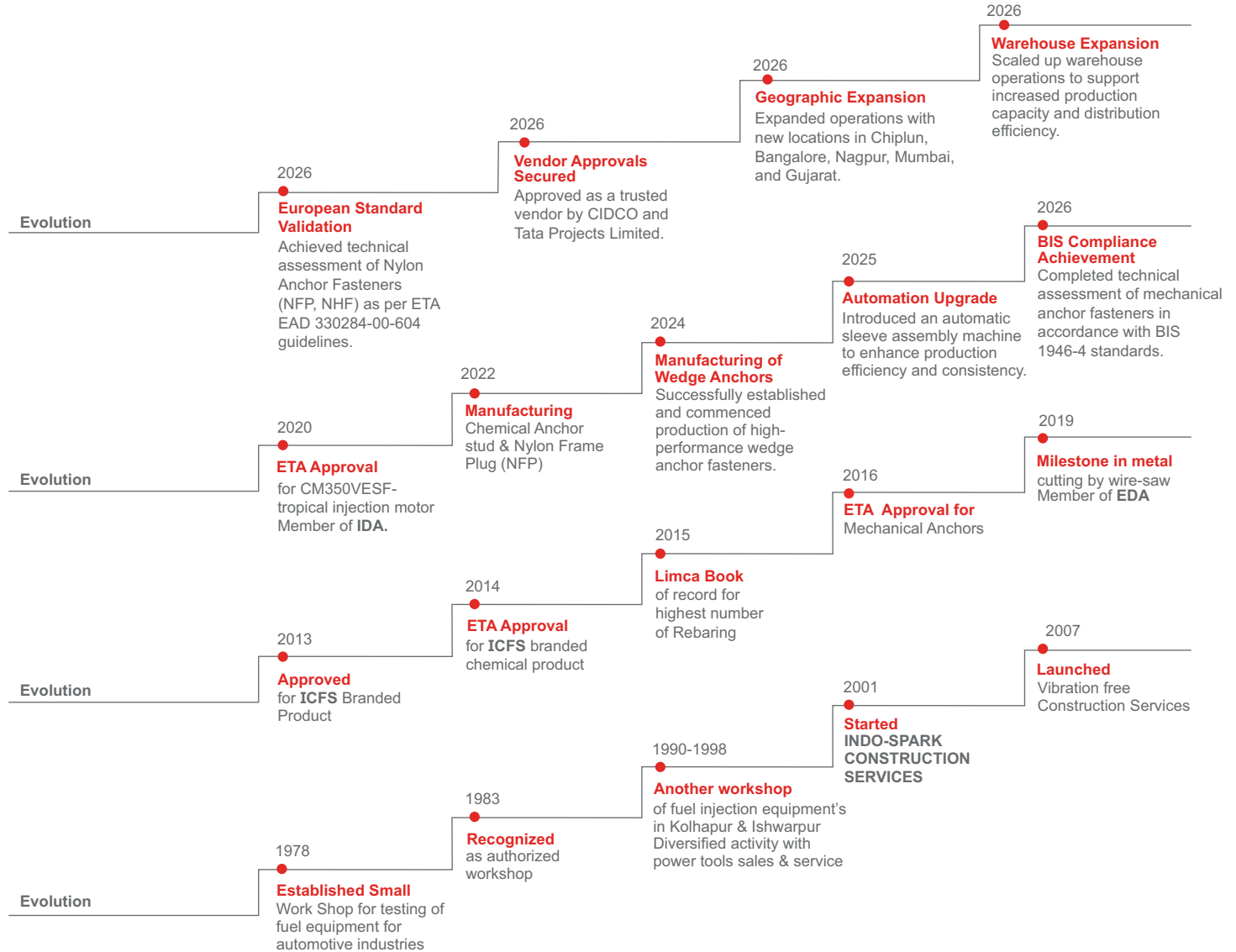


Technical Details For Structural Engineer

Engineered in India
World - Class Performance
Trusted By Structural Engineers

THE EVOLUTION OF US

*A Journey of Growth.
A Legacy of Trust*



Indo Construction Fastening System

Indo Construction Fastening Systems (ICFS) is a 45+ years company, having expertise and operations in the following three

- ICFS Anchor Fastening Systems
- Construction Services
- ICFS Anchor Designer

We have chemical and mechanical anchors usable for installing furniture, fixtures & structures at site. Based on the design load parameters, we even suggest correct type of chemical, diameter of anchor bolts, embedment depth and chemical consumption per hole.

Manufacturing Facilities

Machinery

State-of-the-Art Manufacturing Facilities – Featuring cold forging, CNC lathes, thread rolling machines, and plastic injection moulding



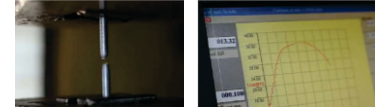
Testing Facilities

Quality Testing

Chemical Anchor Stud



- Tensile
- Hardness
- Spectro-chemical Analysis
- Dimensions Check-batch Wise
- For Threading Check-go-no Go Gauge

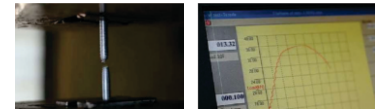


- Zinc Plating Thickness Testing
- Salt Spray Test

Mechanical Anchor

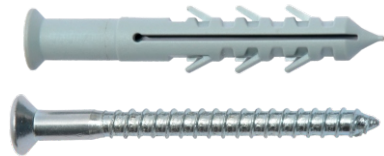


- Material Test-spectro-chemical Analysis
- Tensile Test
- Hardness Test
- Dimensions Of Anchors
- Clip Design
- Pull Out Test In Different Grades Of Concrete



- Zinc Plating Thickness Testing
- Salt Spray Test

Nylon Anchor



- Material Check Chemical Analysis
- Dimensions Check
- No Flash

Batch-wise Testing

- Every batch undergoes strict dimensional and performance tests before leaving our facility.
- We have a concrete blocks prepared to test our products before it moves out from our factory



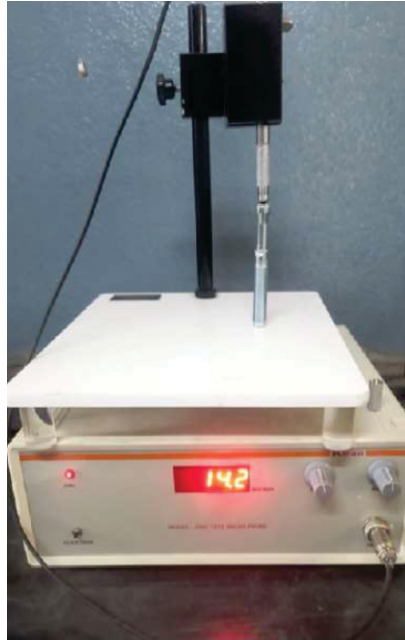
Testing Facilities

Pullout Testing

Our products are ready batch wise test carried out for pull out test and shear test



Zinc Coating Thickness Test



Salt Spray Test



Testing Facilities

Additionally the temperature testing of chemical anchors in varying conditions, ensuring reliability under extreme temperatures.

Lot No. 0020001801 (Color) CM505PE	Temp. 25 °C	Date 31/01/2025	In Shadow Curing Timing	Time 11:30 am
			Wet	11:40 am
				11:50 am
			Wet	12:00 pm
				12:10 pm
			Wet	12:20 pm
				12:30 pm
			Wet	12:40 pm
				12:50 pm
			Wet	1:00 pm
				1:10 pm
			Partially dry	1:20 pm
				1:30 pm

Lot No. 0019001701 (Color, Black Cartridge) CM505PE	Temp. 25 °C	Date 31/01/2025	In Shadow Curing Timing	Time 11:30 am
			Wet	11:40 am
				11:50 am
			Wet	12:00 pm
				12:10 pm
			Wet	12:20 pm
				12:30 pm
			Wet	12:40 pm
				12:50 pm
			Wet	1:00 pm
				1:10 pm
			Partially dry	1:20 pm
				1:30 pm
				1:40 pm

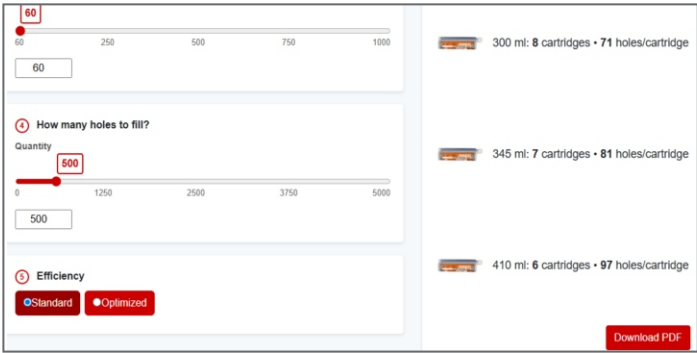
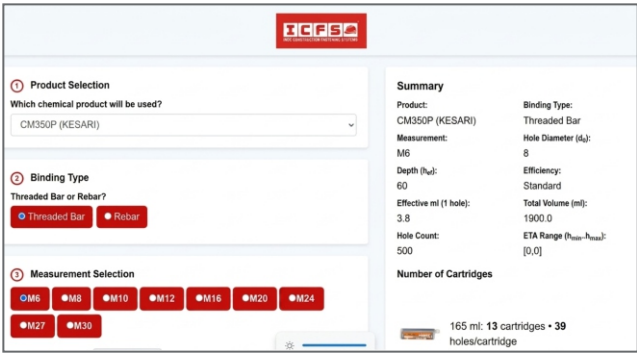
Lot No. 4797180701 (Grey Color) CM305VE&F	Temp. 32 °C	Date 03/02/2025	In Shadow Curing Timing	Time 3:30 pm
			Wet	3:40 pm
				3:50 pm
			Wet	4:00 pm
				4:10 pm
			Fully dry	4:20 pm
				4:30 pm
				4:40 pm
				4:50 pm
				5:00 pm
				5:10 pm
				5:20 pm
				5:30 pm
				5:40 pm

Lot No. 4797180701 (Grey Color) CM305VE&F	Temp. 25 °C	Date 31/01/2025	In Shadow Curing Timing	Time 5:10 pm
			Wet	5:20 pm
				5:30 pm
			Wet	5:40 pm
				5:50 pm
			Fully dry	6:00 pm
				6:10 pm
				6:20 pm
				6:30 pm
				6:40 pm
				6:50 pm
				7:00 pm
				7:10 pm
				7:20 pm

Warehouse

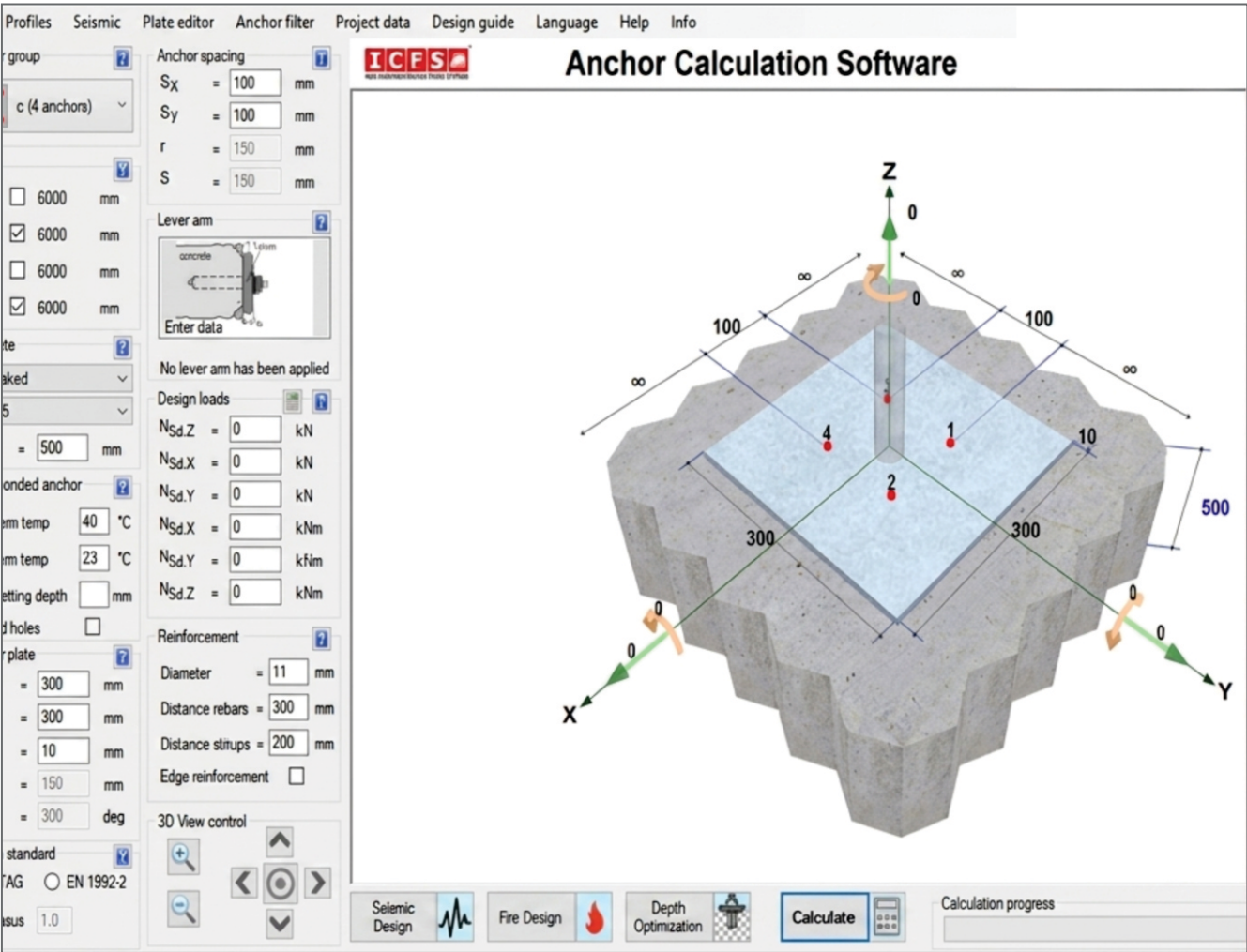


ICFS Anchor Calculation Software

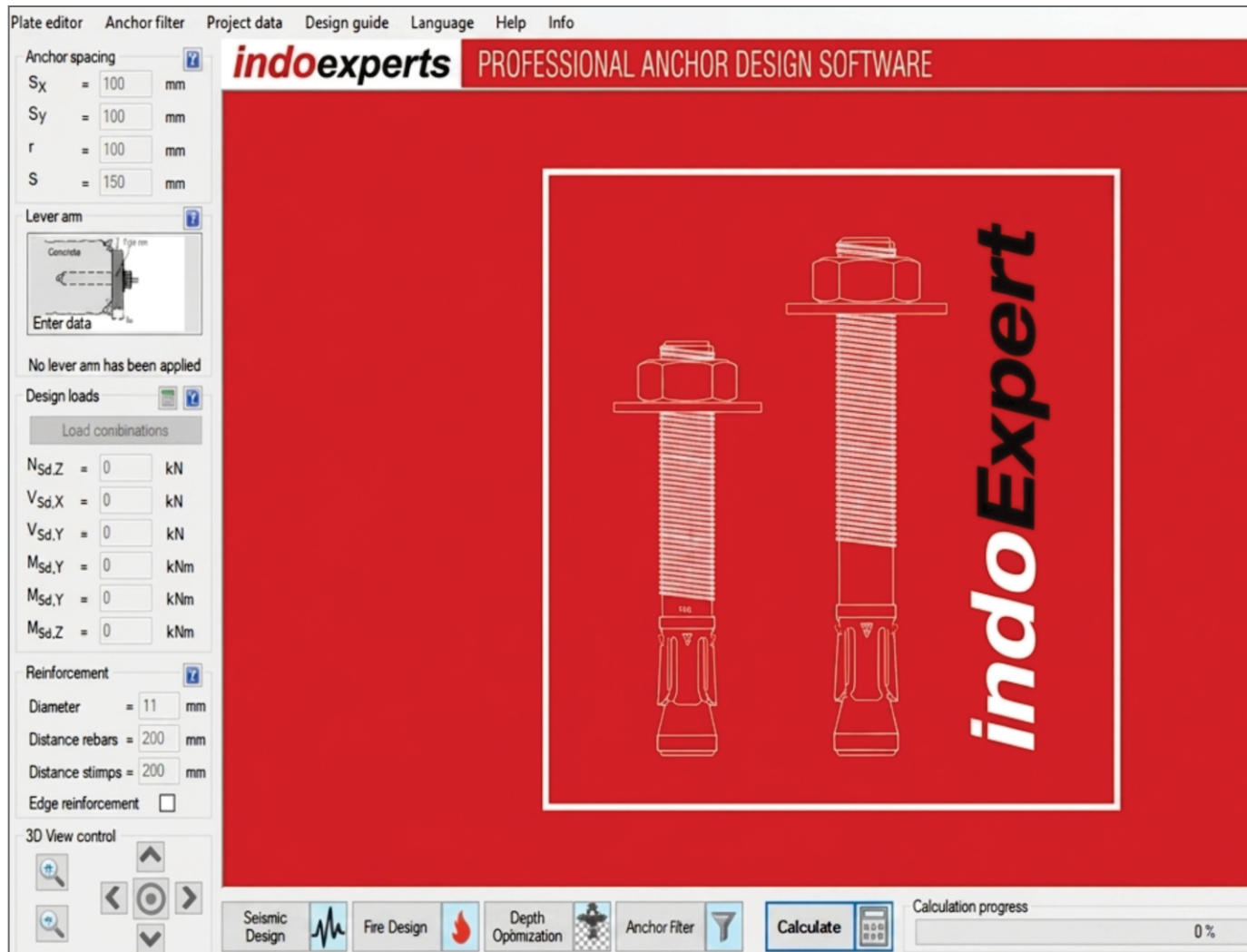


It is available here: <https://icfs.tarcaz.net/>

ICFS Chemical Anchor / Rebar Design



Chemical Anchor Calculation Software



Indo Expert Professional Anchor Design Software



<https://www.chemicalanchors.in/design-software.html>

Software Can Be Downloaded For Free

Software Usage Technical Training Available Online On Request

Product Range

Chemical Anchors Stud (CAS)



Range: M8 x 110mm to M30 x 1000mm

Grade : 5.8 & 8.8, SS304 and SS 316

Chemical Mortars

CM585PE-PRO (ETA Option 1)

585ml | 3:1 Ratio



Scan QR code



ETA 21/0239
Rebar Connection

Scan QR code



ETA 21/0250
Bonded Anchor

CM360SH (ETA Option 1)

360ml | 10:1 Ratio



Scan QR code



ETA 22/0115
Rebar Connection

Scan QR code



ETA 22/0076
Bonded Anchor

CM350VESF (ETA Option 7)

350ml | 10:1 Ratio



Scan QR code



ETA 14/0170
Bonded Anchor

Scan QR code



ETA 19/0862
Rebar Connection



*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).



Chemical Mortar CM585PE-PRO

EPOXY INJECTION RESIN



Description

CM585PE-PRO is a 2 component high strength pure epoxy chemical anchoring resin system. It is designed for deep embedment and large diameter holes due to its zero shrinkage and longer working times, For diamond drilled holes, with rebar, and in areas of high chemical exposure eg. Seasalt and swimming pools.

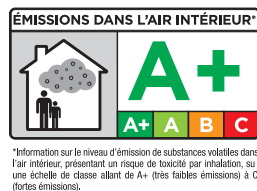
Available in size: 585ml Cartridge.

Specific Benefits

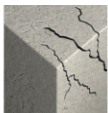
- Long working times
- High loads possible
- High chemical resistance
- Use with potable water
- Fixing studs in wood
- 24 Month shelf life
- Corrosion resistance
- Diamond drilled holes
- Zero shrinkage
- European approved
- Fire approved
- Studs and Rebar
- A+ Rating VOC content
- ICFS Anchor design software
- Cracked, Non-cracked concrete
- Hammer Drilled holes
- Small edge distance and spacing
- Variable embedment
- depth Static quasi load

Approvals

- ETA Option 1 ETAG 001 for cracked concrete with studs and rebar TR029
- ETA Option 1 ETAG 001 for rebar TR023: Approved for Seismic Loads C2
- F120 Fire Test report ICC-ES Approval ESR 3853
- BS6920 for use with potable water WRAS Approval 1309522
- ETA approved in flooded holes, wet and dry concrete
- Tested according to LEED 2009 EQ c4.1, SCAQMD rule 1168 (2005)



Concrete (non-cracked)



Concrete (cracked)



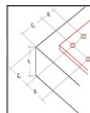
Static/quasi static



Hammer drilled holes



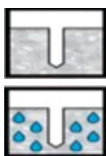
Diamond drilled holes



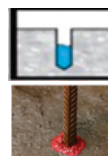
Small edge distance and spacing



Variable embedment depth



Suitable for dry or wet or water filled

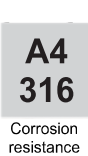


Rock Anchoring



HCR highMo

High corrosion resistance

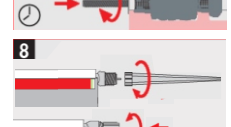
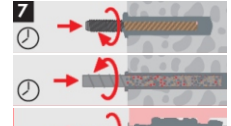
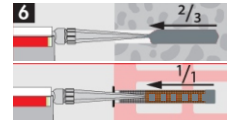
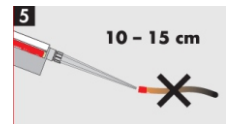
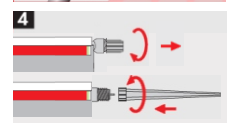
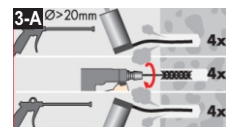
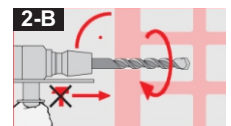
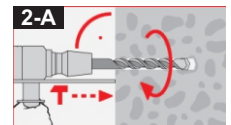
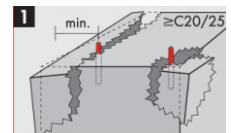


A4 316

Corrosion resistance



ICFS Anchor Design Software



Rock Anchoring in Indian Conditions Using ICFS CM585PE-PRO Pure Epoxy Mortar: A Field Study in Collaboration with COEP and Viraj Engineers

Objective :

To determine the safe pull-out capacities and bonding performance of steel rebars anchored in rock strata using ICFS CM585PE-PRO Pure Epoxy, under realistic site conditions in India.

Background & Challenge :

With growing demand for high-rise construction, deeper foundations often reach rock strata where hydrostatic uplift pressures become significant. Traditional anchoring methods are slow , costly, & poorly suited for wet, uneven surfaces. There's been a lack of documented performance data under indian conditions.



Methodology:

- Sites: Two live construction sites in Pune with different rock types intact bold and rock.

■ Testing Parameters:

Parameter	Values
Rebar Diameters	16 mm, 20 mm, 24 mm, 32 mm
Embedments Depths	800 mm, 900 mm , 1000 mm
Orientation	Vertical and Horizontal Installation
Product Used	ICFS CM585PE-PRO Pure Epoxy Injection Mortar

- Testing Oversight: Dr. Inshwar Sonar (Assistant Professor, COEP), with certified calibrated equipment.
- Data Captured: Pull-out strength, elongation, failure modes.

Test Set Up: Horizontal Rebar Vs Vertical Rebar



For Basalt Rock - (Based On Fild Test & tabulation)

Bar Diameter mm	Average Stiffness T/mm	Avrage Bond Stress Mpa
16	7124	2.015
20	6.972	2.362
24	6.807	2.534
32	5.713	3.379

Key Findings

- **Bond Stress** : Decreased with bar diameter (e.g., 16 mm: 7.2 T/mm, 32 mm: 5.71 T/mm)
- **Max Stress** : 32 mm bars showed highest bond strength (3.38 Mpa) due to greater surface area
- **Rock Influence** : Intact basalt out performed fragmented rock by 15-20%
- **Failure Modes** : Predominantly Failures found of rock breakage and no bar fractures
- **Anchor Orientation** : Vertical and Horizontal anchors showed comparable performance with proper installation technique

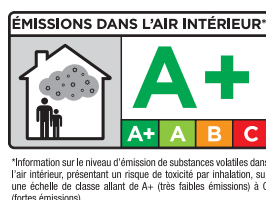
Design Recommendations

- Account for rock type, bar diameter, moisture levels and orientation
- Use site- specific pull-out values to design anchor embedment depths
- ICFS CM585PE-PRO is suitable for demanding condition like uneven, water exposed rock surfaces

Conclusion

For structural rock anchoring using pure epoxy injectable mortars, this first of its kind field study validates the application in Indian geology. ICFS CM585PE-PRO provides a reliable, tested alternative to conventional systems, ensuring both speed and safety in modern foundation engineering.

“Presented by ICFS Anchor Fasteners - Strength You Can Trust.”



Product Range

Mechanical Anchors

High strength Anchors Suitable for **Cracked and un - Cracked** Concrete



Range: M8 x 80 to M20 x 160

Grade : 5.8, Zinc Flake Coating

IPBZ DP
(ETA Option 1)

Scan QR code



ETA 23/0866
IPBZ DP



Range: M8 x 95 to M16 x 140

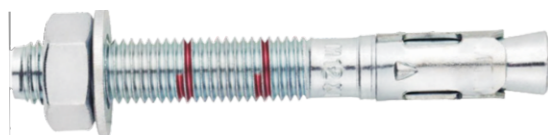
Grade : SS 316 (A4)

IPBZ A4
(ETA Option 1)

Scan QR code



ETA 23/0615
IPBZ A4



Range: M8 x 75 to M24 x 250

Grade : 5.8 Zinc Plating, SS304 & SS316

IWA
(ETA Option 7)

Scan QR code



ETA 16/0502
IWA



Range: M8 x 75 to M24 x 250

Grade : 5.8 Zinc Plating, SS304 & SS316

TBA
(NON ETA)

Scan QR code



Technical Assessment of
Mechanical Wedge Anchors
According to BIS 1946-4



Range: M6 x 25 to M20 x 80

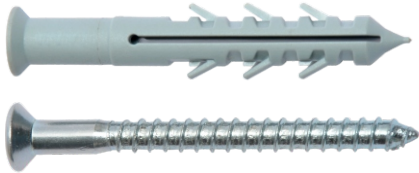
Grade : 5.8 Zinc Plating

DIA
(NON ETA)

Product Range

Nylon Anchor Fasteners

Nylon Plug **NFP**



Scan QR code

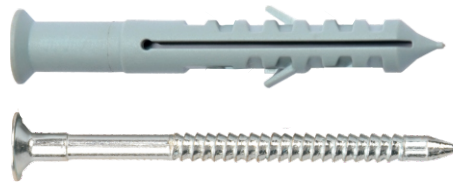


Technical Assessment
of Nylon Anchors
According to ETA
EAD 330284-00-0604

Range: M10 x 80 to M10 x 160

Plug - Polymide PA6 nylon
Screw-Steel,Zinc Plated / SS304(A2)

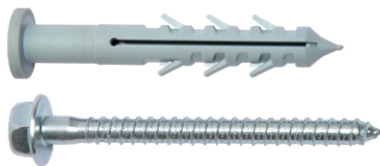
Nylon Hammer **Fixing Plug NHF**



Range: M05 x 40 to M08 x 120

Plug - Polymide PA6 nylon
Screw-Steel,Zinc Plated / SS304(A2)

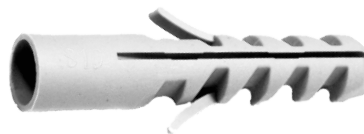
Hex Head **Screw HHS** - Universal Frame Anchor



Range: M10 x 80 to M10 x 100

Plug - Polymide PA6 nylon
Screw-Steel, Zinc Plated

Nylon **FD** Plug



Range: M4 x 20 to M8 x 40

Plug - Polymide PA6 nylon

PU Foam Product Range

1K Assembly **PU Foam**



750ml
One Time Use Only

1K Fire Rated **PU Foam B1**



750ml
One Time Use Only

1K Assembly **Foam PRO**



750ml
18 Months Shelf life

1K Fire Rated
B1 Gun Grade PRO



750ml
18 Months Shelf life

Foam
Gun Cleaner



500ml
Cleaning Spray for removal of uncured
Construction Foam tools and surfaces

Pu Foam **Spray Dispensing Gun**



Material : Plastic & Stainless Steel
Hand Operated

PU Foam **Spray Nozzle**



Material : Plastic

Approval Chart

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 C1 & C2	 Long Curing Time Min. 8 Hours	 Threaded Rod M8-M30  Rebar M8-M32mm	 100 YEARS	 Suitable for dry or wet or water filled	 Rock Anchoring	 HCR highMo High corrosion resistance	 A4 316 Corrosion resistance
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 C1 & C2	 Quick Setting Min. 30 Mins.	 Threaded Rod M8-M30  Rebar M8-M32mm	 100 YEARS	 Suitable for dry or wet	 Rock	 HCR highMo High corrosion resistance	 A4 316 Corrosion resistance
3)	ICFS CM350VESF Vinylester Dual(10:1)		 Concrete (non-cracked)								 Quick Setting Min. 1 Hour	 Threaded Rod M8-M24  Rebar M8-M20mm	 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 C1 & C2			 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 C2			 50 YEARS				

Corrosion Protection Options

Sr. No.	Coating Type	Typical Thickness	Salt Spray Test (SST) resistance	Key Features	Common Applications
1	Zinc Plating	10-15 microns	~ 100 hours	Economical, Smooth Finish, Basic Corrosion Protection	Fasteners, indoor components, light-duty parts
2	Zink Klake Coating	~ 15 microns	~ 500 hours	High corrosion resistance at low thickness, no hydrogen embrittlement, uniform coating	Fasteners, indoor components, light-duty parts
3	Hot - Dip Galavanzing (HDG)	~ 60 microns	~ 1000 hours	Thick coating, excellent durability, strong outdoor protection	Automotive parts, high - strength fasteners

Product Recommendation By Structural Engg.

INDO SPARK CONSTRUCTION SERVICES
198 E, Tararani Chowk, Near Geeta Mandir,
Kolhapur-416 006 (MH., India)
indospark@indospark.com
GST No. - 27AACFI2665R1ZS



Branch - Pune | Mumbai
Follow us - www.indospark.com
Toll Free No. 1800 123 500 023

Date - 21.11.2023

To -

Mr. Prasad Dabeer Sir,
Designs, B-1-1, 1031/K, E 1st Floor, Sterling Tower, Gavati Mandai, Kolhapur.

Subject: Your approval to feature your name in the testimonials section of our website (ref. email - 09.11.2023)

Dear Mr. Prasad Dabeer Sir,

We kindly request your approval to feature your name in the testimonials section of our website.

"Indo Spark is a one-stop destination for all of our vibration free concrete cutting services & ICFS anchor fasteners. We were very impressed with Indo Spark wire sawing services and ICFS anchor fastener needs. We have been very impressed with their quality, professionalism, and customer service. We would highly recommend Indo Spark to anyone in the construction industry."

Regards,

Ashutosh Chavan
Manager | Marketing & Events
Indo Spark Construction Services

90750 31116 | www.indospark.com | ashutosh@indospark.com
198 E, Tararani Chowk, Kavala Naka, Kolhapur 416 003 Maharashtra, India.

PRASAD S. DABEER
Structural & Architectural Consultants
(AAC 07761202)

INDO SPARK CONSTRUCTION SERVICES
198 E, Tararani Chowk, Near Geeta Mandir,
Kolhapur-416 006 (MH., India)
indospark@indospark.com
GST No. - 27AACFI2665R1ZS



Branch - Pune | Mumbai
Follow us - www.indospark.com
Toll Free No. 1800 123 500 023

Date - 22.11.2023

To -

Mr. Girish Malu Sir,
02 Krishna Heights, Near Vijay Nagar Chowk, Sangli, Sangli - Miraj road.

Subject: Your approval to feature your name in the testimonials section of our website (ref. email - 20.11.2023)

Dear Mr. Prasad Dabeer Sir,

We kindly request your approval to feature your name in the testimonials section of our website.

"Indo Spark Construction Services provided exceptional cutting services that truly exceeded our expectations. Thanks to their expertise and precision, our project soared to new heights. Highly recommended for their top-notch services!"

Regards,

Ashutosh Chavan
Manager | Marketing & Events
Indo Spark Construction Services

90750 31116 | www.indospark.com | ashutosh@indospark.com
198 E, Tararani Chowk, Kavala Naka, Kolhapur 416 003 Maharashtra, India.

For Elite Structural Consultants

Proprietor
Approved

INDO SPARK CONSTRUCTION SERVICES
198 E, Tararani Chowk, Near Geeta Mandir,
Kolhapur-416 006 (MH., India)
indospark@indospark.com
GST No. - 27AACFI2665R1ZS



Branch - Pune | Mumbai
Follow us - www.indospark.com
Toll Free No. 1800 123 500 023

Date - 07.09.2023

To -

Structure Vizion
Ground floor, 62 shreeniketan block A Near Sapna Hotel
Behind Jyoti Ashram Lullanagar Pune-40
Contact No: 9923699447, 9356580754

Subject: Your approval to feature your name in the testimonials section of our website (ref. email - 24.08.2023)

Dear Mr. Aqueel M.H.,

We kindly request your approval to feature your name in the testimonials section of our website.

"Indo Spark Services truly amazed me with the exceptional quality of work they delivered on my project. Their extensive knowledge and unwavering professionalism were commendable, and they consistently went beyond the call of duty to ensure that my project met and exceeded my satisfaction."

Regards,

Gaurav Bhavsar
Technical Advisor
Indo Spark Construction Services

90750 31116 | www.indospark.com | gaurav@indospark.com
198 E, Tararani Chowk, Kavala Naka, Kolhapur 416 003 Maharashtra, India.
H.No. - 128, Telephone Exchange, Opposite Matoshri Medical, Near Unity Complex,
Ambegaon Budruk, Pune - 411046, Maharashtra, India.



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indospark@indospark.com
GST No. - 27AACFI2665R1ZS



Branch - Pune | Mumbai
Follow us - www.indospark.com
Toll Free No. 1800 123 500 023

Date - 07.09.2023

To -

VASTUSTRUCT
403, Kamal Kirti, Opp. P. L. Deshpande Park, Sinhgad Road, Pune - 411030
020-24251980, 9860198155

Subject: Your approval to feature your name in the testimonials section of our website (ref. email - 24.08.2023)

Dear Mr. Rahul A. Dingane

We kindly request your approval to feature your name in the testimonials section of our website.

"I highly recommend Indo Spark services & ICFS for their exceptional anchor fasteners. Their products are reliable and have greatly exceeded my expectations. The team at Indo Spark Construction Services is also incredibly knowledgeable and provides excellent customer service."

Regards,

Gaurav Bhavsar
Technical Advisor
Indo Spark Construction Services

90750 31116 | www.indospark.com | gaurav@indospark.com
198 E, Tararani Chowk, Kavala Naka, Kolhapur 416 003 Maharashtra, India.
H.No. - 128, Telephone Exchange, Opposite Matoshri Medical, Near Unity Complex,
Ambegaon Budruk, Pune - 411046, Maharashtra, India.

RAHUL DINGANE
B.E. (Civil Engg.) M.E. (Structure)
Structural Engineer & Chartered Engineer (I)
Chartered Engineer (India) No. M-1517761



Date : 03-01-2026
Page : 1

Godrej & Boyce Mfg Co Ltd
Division : Storage Solutions Group
Location : Chennai
P.Order No. 1300/1DR004778/GA1115989
Order Date 03-01-2026 : : :
Contact
Telephone
Fax
E-Mail
Ref. LOT 12 - MAR'26 PLAN
Rev. : 0 **Date** :

LOT 12 - MAR'26 PLAN
: 0 Date :

WE ARE PLEASED TO PLACE AN ORDER ON YOU AS PER DETAILS GIVEN & TERMS & CONDITIONS SPECIFIED BELOW

No	Item Details	Schedule Details
10	Item Code : AncBlt NS MS M12 100mm Zinc Short Description : AncBlt NS MS M12 100mm Zinc Blue Long Description : Galvanized S000 0 IS/BO/S3/198 R0 PLM Revision : PO Line Revision : Drawing Number : Drawing Revision No. : HSN Code : ECC/GSTIN No Godrej : Supplier GST State : MH/27AACFI2665R1ZS GST No. :	Schedule Quantity: Purchase Unit : Delivery Date : Price Structure Basic Price : Subcontracting Price : Price Unit : Line Discount : ASV Per Unit for GST : IGST 18% : Sub Total 1 : Total Cost (GST): Total Amount Currency

Date : 03-01-2026

		FOR GODREJ & BOYCE MFG CO LTD	
Total Order Value:		INR	1121472.00
		Purchaser / Purchase Head	

Order		Purchase Order	Buyer
Order No.	303175 Indospark Construction	Order No. 430000016	Buyer's
Order	Services avinash@indospark.com	Details	Contact
Order	TARARANI CHOWK, KOLHAPUR,	Date : 06/06/2024	
Name Email:	MAHARASHTRA-146003, INDIA	Type : 24 Servis	
		Version : e	
Address:		Version Date	
STIN Number : 27AACFI2665R1ZS		Ref Quotation Date	Mail ID :
		Quotation:	

We are pleased to issue on you the Purchase Order for the Service

[illegible]

Delivery Schedule	
Scheduled Qty	Delivery Date
	15-Sep-24

Price Details										X
Item	Service	SAC	Description	UOM	Rate	CGS	SGS	IGST	Total	
00000010	Code	Code	PRVONG RCC SRCTRL DMND WR					2,01.60	13,21.65	
	5300469	995442				0	0	9	9	
Erection and Dismantling of Converter-1 and 2, RCC platforms slab by Diamond Concrete cutter/Chain Saw RCC cutting method, including all machinery, materials, labour, consumables all complete as per design/drawing and directions.										
All methodology, sequencing of jobs be shared in advance by Vendor, assistance in lowering of cut pieces to be provided.										
All safety PPE and norms to be complied with by Vendor.										
00000020	SCV72154006000	8468800	MCNG;CORE DRLG & CUTG (D: A320	M		0	0	16,77	1,09.97	

Supply and Core cutting in Converter-1 and 2, Platform RCC Slab 150mm deep of size 150mm dia. including all material, labour, machinery, consumables all complete as per directions E-IH-C.

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Page 1 of 24

 vedanta transforming elements	ESL STEEL LIMITED IRON & POWER UNIT-SBU - SIYALJORI , PO - JOGIDHI, OP : BANGARIA, BOKARO STEEL CITY, JHARKHAND-828303, INDIA GSTIN: 20AABCE6875H1ZQ	 ESL STEEL LIMITED (Formerly known as Electrosteel Steels Limited)
---	---	---

All safety PPE and norms to be complied with by Vendor.

0000000030	5300750	998551	TRAVEL TO- FRO	1	LOT	42,750	0	0	0	42,750
Reimbursement of Travelling expenses of Vendors' Staff/Technicians										

Basic Value :	12,56,000 0
Discount : P&F	0
charges:	2,18,385 0
Freight: Taxes:	14,74,385
Net Discount:	
Grand Total :	

Amount in words : Fourteen Lacs Seventy Four Thousand Three Hundred Eighty Five Only / INR

INR

Payment Terms: 100% payment within 30 days of receipt of invoice after certification
--

Incoterm: Incoterm	DAP
Location:	ESL Site

LD Charges:
Description
0.5% deduction for 1-week delay
1% deduction for 2-week delay
1.5% deduction for 3-week delay
2% deduction for 4-week delay
2.5% deduction for 5-week delay
3% deduction for 6-week delay
4% deduction for 7-week delay
Maximum 5% deduction.

Other Terms And Conditions:

NFA - WS1171019156 Payment Terms:
30 days credit on submission of RA BILLS

 TEDRA You Drive, We Park. TEDRA AUTOMOTIVE SOLUTIONS PVT. LTD.		Purchase Order Tedra Automotive Solutions Private Limited AN ISO 9001-2015 CERTIFIED COMPANY		Format No: QR/PUR/03 Revision No: 0 Revision Date: 25-01-2018				
Invoice To, Tedra Automotive Solutions Private Limited Gat No. - 649, Moi-Nighoje Road, MOI, TAL-Khed City : Pune Pin : 410501 State : Maharashtra State Code : 27 GSTN No : 27AADCT1937D1ZI CIN : U28939PN2009PTC134036 Web Site: www.tedraauto.com		PO No. PO Date TASPL/25-26/BO-2360 Amendment Date 11/3/2026 WO No. Project TASPL/25-26/WO-TEDRA (IH) Ref. Payment Terms Scheduled 30 Days 18/3/2026						
Supplier, Indo Spark Construction Services 686/C/2 City : Pune Pin : 411 037 State : Maharashtra State Code : 27 Email : Prashant@indospark.com GSTN No : 27AACF12665R1ZS		Delivery Schedule Note # Material delivery at our Moi works.						
Sr.No.	Part Code / HSN Code	Description Of Goods	Qty	UOM	Unit Rate (Rs)	Disc %	Amount (Rs)	
1	HW M AB M16 200 7318 HW CB M16	MECHANICAL ANCHOR BOLT-M16X200-ICFS	600	Number				
2	350 7318 HW CB VESF350	CHEMICAL BOLT (SET)-M16X350	40	Number				
3	3816 HW M AB M10 100	CHEMICAL BOTTLE - 350 VESF-350 VESF-ICFS	120	Number				
4	7318	MECHANICAL ANCHOR BOLT-M10X100	200	Number				
			Total Quantity :		960			
Note:								
Amendment Details:								
					Tax Name	Rate	Taxable Amt	Tax Amt
					CGST 9%	9.00	189,600.00	17,064.00
					SGST 9%	9.00	189,600.00	17,064.00
Amount In Words					Total Taxable Amt		189,600.00	
Total Taxable Amt: Rs One Eighty Nine Thousand Six Hundred Only					Total Tax Amt		34,128.00	
Total Tax Amt: Rs Thirty Four Thousand One Hundred Twenty Eight Only					Rounding Off		0.00	
Total Amt: Rs Two Lakhs Twenty Three Thousand Seven Hundred Twenty Eight Only					Grand Total		223,728.00	
Sagar Shidruk Prepared By				For Tedra Automotive Solutions Private Limited Need Approval Authorized Signature				
This is computer generated document								



SERVICE ORDER



Vijayanagar Works P.O. :
Vidyanagar, Village : Toranagallu
Vidyanagar-583275 Ballari-Karnataka (India)

Vendor Code : 0020020454 : INDO SPARK
Name : CONSTRUCTION SERVICES,
KOLHAPUR-416003-Maharashtra-India
E-mail PAN : SAGARBONGALE@INDOSPARK.COM
NO GST No. : AACFI2665R : 27AACFI2665R1ZS :
Bank Account 01642560005300 : 9823196066 Mb.No. :-
Ph.No 231-2663581

P.O.No.: VJNR/P00033/C/4700093984
P.O.Date: 27.02.2021
Type: PRJ-DOM
Version No.: 2 Date: 29.06.2023
Outline Agreement no.: Version
No.: 2 Date: 29.06.2023
LD applicable: YES

Dismantling Work of Converter Foundation by Wire saw cutting at SMS#01

Dear Sir/Madam,

We are pleased to place order against your Ref. Quote No. Dated: , as per below mentioned PRICE, terms & conditions.

ALL THE PRICES MENTIONED BELOW ARE IN #INR#					
SR. NO.	SERVICE SHORT DESCRIPTION	UOM	QTY.	TOTAL	COMPLETION DATE
1	Dismantling converters foundations by wi	A		14001000.0000	31.03.2026
The above work contains following Services: U					
SR. NO.	SERVICE CODE	QTY.	UoM	UNIT PRICE	TOTAL PRICE
1.1	3000119682 DRLNG,CORE DRLNG;DMN DRL BITS Service Risk type :		CM		
DRILLING,TYPE: CORE DRILLING; DIA OF DRILLING: 100 MM; DEPTH OF THE HOLE TO DRILL: ABOVE 1500 MM; DRILLING METHOD: DIAMOND DRILL BITS; EQUIPMENT SUPPLY BY: VENDOR; ADDITIONAL INFORMATION: USING SPECIAL DIAMOND SCREW BIT INCLUDING TOOLS AND TACKLES BY VENDOR SCOPE.					
1.2	3000119681 DRLNG,CORE DRLNG; 150MM; DMN DRL BITS Service Risk type :		CM		
DRILLING,TYPE: CORE DRILLING; DIA OF DRILLING: 150 MM; DEPTH OF THE HOLE TO DRILL: ABOVE 1500 MM; DRILLING METHOD: DIAMOND DRILL BITS; EQUIPMENT SUPPLY BY: VENDOR; ADDITIONAL INFORMATION: USING SPECIAL DIAMOND SCREW BIT INCLUDING TOOLS AND TACKLES BY VENDOR SCOPE					
1.3	3000084140 DISMANTL,CNCRTE BY DMN WRE SAW CUTNG Service Risk type :		M2		

Thanking You
Yours sincerely,
FOR JSW STEEL LIMITED

AUTHORISED SIGNATORY

Total Base Value: 14001000.00

Total Taxes / Charges : 2520180.00

Total PO Value: 16521180.00

Plant GST No : 29AAACJ4323N1ZC ; PAN : AAACJ4323N ; CIN : U24200MH2016PTC273511

JSW Centre, Bandra Kurla Complex, Bandra (East), Mumbai 400 051

WIPRO PARI ROBOTICS PRIVATE LIMITED		PURCHASE ORDER		 		
Gat no 463A2-6,7,8 to 10, 11 partial and 463A2-15 and 16 Dhargarwadi Village, Shirwal Satara Shirwal-412801 Contact No.-				Format No FR-MTL-001-03 Effective Date 02-Jan-26		
PO with Remark as "Digitally Approved, Signature not required" at Authorised Signatory Field below, to be considered as Valid & Approved PO.						
560I038 INDO SPARK CONSTRUCTION		PONO	25RIN0040957			
SERVICES H.O.198 E,TARARANI		PODate	12/03/2026 0			
CHOWK,NEAR GEETA MANDIR,KOLHAPUR		Amd.No				
		Amd.Date				
		Your Ref.				
KOLHAPUR-416003						
Our GSTIN	27AADCW2907L1Z2	Payment Term	AFTER "45" DAYS ON RECEIPT OF GOODS			
Tax	SGST/CGST/IGST-Extra as applicable	Freight	NOT APPLICABLE			
Packing	INCLUSIVE	Currency	RUPEE			
Insurance	INCLUSIVE	Transport	BY YOU ON YOUR ACCOUNT			
Buyer	Sameer S. Wagh (Extn.7787)	Destination	Wipro PARI Robotics Private Limited			
PLEASE SUPPLY FOLLOWING MATERIAL ON TERMS & CONDITIONS STIPULATED OVERLEAF						
SrNo.	Item Code	Description	UOM	DeliveryDate	Quantity	Rate
1	05005NB02043	FOUNDATION BOLT_TBA8X120MM_ICFS	NO	01/04/2026		
	REV : 1					
2	3A0410102001	THREADED ROD EXT TH_ M16X1000L_ PARI STD	NO	01/04/2026		
	REV : 0					
3	3A0410411002	EXPANDABLE FASTENER EXT. THREADED_M10X150L_ICFS	NO	01/04/2026		
	REV : 0					
4	3A0410412001	EXPANDABLE FASTENER EXT. THREADED_M16X145L_ICFS	NO	01/04/2026		
	REV : 1					
5	3A0410412004	EXPANDABLE FASTENER EXT.THREADED_M10X75L_ICFS	NO	01/04/2026		
	REV : 1					
Note : BILL & SHIP TO:- Wipro PARI Robotics Private Limited, Gat no 463A2-6,7,8 to 10,11 partial and 463A2-15 and 16, Dhargarwadi Village, Dist. Satara, Taluka - Khandala, Shirwal - 412801 DELIVERY TIME 9.00 A.M. TO 3.00 P.M. Monday to Saturday. Please arrange to delivery the material as per the schedule mentioned in the Purchase order only. All your invoices must contain your GSTN number, PARI GSTN Number (27AADCW2907L1Z2) & correct HSN codes. E-WAY BILL WITH DULY FILLED PART 1 & B IS MUST TO ACCOMPANY CONSIGNMENT. CONSIGNMENTS WITHOUT E-WAY BILL WILL NOT BE ACCEPTED BY STORES. LD Clause : NOT APPLICABLE MATERIAL SHOULD CARRY EXCISE MODVAT COPY						
			Total	RUPEE	25200.00	
Confidential - Third Party		PONO : 25RIN0040957				

Esteemed Consultants Recommending ICFS Anchor fasteners

- Er. Abhijeet Chougale
- Advay Consultants Pvt. Ltd.
- Arun Gokhale & Associates
- Er. Avdhut Lokhande
- Axis Structural Design
- Er. Pramod Beri
- Dr. Vivek Shete
- Genesys Technologies Pvt. Ltd.
- JW Consultant LLP
- Madhusa Associates
- Mahimtura Consultant
- Er. Mandar Ambekar
- Mayur Kulkarni & Associates
- Er. Mukul Parikh
- Nawale Structural Consultant
- Er. Prasad Kulkarni
- Er. Nilesh Sutar
- Er. Niranjan Waichal
- Er. P. G. Ghokhale
- Parikh And Associates
- Er. Pranav kulkarni
- Er. Prasad dabeer
- Er. Prashant hadkar
- Er. Rajay Balwan
- Er. Sachin Jathar
- Er. Sachin Patil
- Er. Selva Damodaran Pillai
- Er. Shirish Patil
- SSPA Consulting Engineers
- Structural Vision

Our Clientele



SAROJ GROUP
OF COMPANIES



Product Commparision Chart



CM585PE-PRO



CM360SH



CM350VESF



CM360P



CAS



CAS-Stud Threaded rod SS A4



CAS - Stud hexagonal head 5.8



CAS-Stud Hexagonal head 8.8



HIT-RE 500



HIT-HY-200-R



HIT-HY 270



HY 170



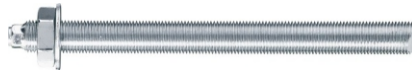
HIT-V-5.8



HIT-V-R (SS A4)



HAS - E (5.8)



HAS - E (8.8)



FIS EM (Epoxy Resin)



FIS SB



FIS V (VINYLESTER)



FIS P



Threaded rod RGM



Threaded Rod FIS A Stainless Steel



Threaded Rod FIS A Stainless Steel



threaded Rod RG (8.8)





CAS-Stud hexagonal head (SS)



CAS-Stud hexagonal head (SS)



IPBZ DP



IWA



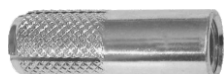
IWA(A4)



Capsule



DIA



NFP



HHS



HAS-E-R (SS)



HAS-E-R (SS)



HST



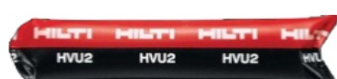
HSA



HSA-R



FC



HKD



HRD-C



HRD-H



Threaded Rod RG (SS)



Threaded Rod RG (SS)



FBN II



FAZ II



FBN II A4



HC



EA II



SXR-Z FRAME FIXING



SXR FRAME FIXING HEX HEAD (SRX-FUS)



CHANNEL PARTNER



INDO SPARK CONSTRUCTION SERVICES

CORPORATE OFFICE

R.S. No. 12-A, Plot No. 8/9, Godown 2,
Near KMT Petrol Pump, Shirol, Tal-
Hatkanangale, Kolhapur
Maharashtra - 416122,
India

BRANCHES

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