



RNTM
ELEMENTS

FOR **CREATORS** WHO BUILD A **LEGACY**

GLASS FIBRE REINFORCED POLYMER REBARS (GFRP)



Images for representation only. Final product appearance may vary.

ABOUT US

ARN ELEMENTS IS REDEFINING MODERN CONSTRUCTION WITH ADVANCED GFRP REBARS THAT DELIVER EXCEPTIONAL STRENGTH, ZERO CORROSION, AND LONG-TERM PERFORMANCE — FAR BEYOND THE LIMITS OF TRADITIONAL STEEL.

THE COMPANY SUPPORTS A WIDE RANGE OF CRITICAL STRUCTURAL NEEDS, FROM NATION-CRITICAL BRIDGES AND TRANSPORT CORRIDORS TO CUTTING-EDGE HIGH-RISES AND INDUSTRIAL ZONES, WHERE STRENGTH, PRECISION, AND RELIABILITY CANNOT BE COMPROMISED.

MANUFACTURED IN VARIOUS DIAMETERS AND AVAILABLE IN STRAIGHT OR CUSTOM-BENT FORMATS, EVERY REBAR IS PRECISION-ENGINEERED AND TESTED TO GLOBAL STANDARDS, ENSURING CONSISTENCY FROM PRODUCTION TO PLACEMENT.

FOR THOSE WHO BUILD WITHOUT COMPROMISE, WE DELIVER WITHOUT EXCEPTION.

WHY CHOOSE US



CORROSION-PROOF FOR LIFE
NO RUST. NO SURFACE LOSS. WITHSTANDS HARSH COASTAL AND CHEMICAL EXPOSURE.



EXTREME DURABILITY
TESTED IN MARINE, UNDERGROUND, AND CORROSIVE CONDITIONS.



HIGH STRENGTH, LOW WEIGHT
4x LIGHTER THAN STEEL — EASIER HANDLING, FASTER EXECUTION.



CUSTOM CUT & BENT
DELIVERED READY-TO-INSTALL AS PER YOUR STRUCTURAL DRAWINGS.



NON-CONDUCTIVE & NON-MAGNETIC
SAFE AROUND ELECTRICITY, WATER, AND SENSITIVE INFRASTRUCTURE.



~20% LOWER COST THAN STEEL
NO RUSTING, MINIMAL MAINTENANCE — SAVINGS FROM DAY ONE.

WE SPECIALIZE IN GFRP REBARS



TECHNICAL COMPARISON OF GFRP VS STEEL REBAR

S.No.	Properties	GFRP Rebar (10mm)	Steel Rebar (10mm)
1	Ultimate Tensile Strength	≥ 1000 MPa	≥ 620 MPa
2	Modulus of Elasticity (E)	45–60 GPa	~200 GPa
3	Density	~1.9–2.1 g/cm ³	~7.85 g/cm ³
4	Thermal Conductivity	Low (~0.25 W/m-K)	High (~50 W/m-K)
5	Corrosion Resistance	Non-conductive	Conductive
6	Unit Weight (10mm dia / Mtr)	150gms	617 gms



Note: All values are based on standard GFRP specifications and typical performance benchmarks. Project-specific test reports can be provided on request.

SMARTER, STRONGER, AND BUILT FOR THE FUTURE

APPLICATION



MARINE &
COASTAL STRUCTURE



BRIDGES
& TUNNEL



HIGH VOLTAGE
ZONES



WATER TREATMENT
PLANT



INDUSTRIAL,
COMMERCIAL &
RESIDENTIAL BUILDING



ROADS &
RETAINING WALL

“ WE’RE NOT JUST REPLACING STEEL,
WE’RE **RAISING THE STANDARD** ”



Approved as per IRC:SP:80-2008 | Compliant with CPWD &
NHAI Infrastructure Guidelines

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