

RHINO WIRE RODS



- Aluminium and Alloy as per AA-
- 1XXX series EC Al Rods
- 5XXX series Alloy Rods
- 6XXX series Alloy Rods
- 8XXX series Alloy Rods



GUPTA POWER®

PRESENTS

RHINO 

SMART CONDUCTORS | CABLES
WIRES | OFC | LED LIGHTING | EPC
WIRE RODS | SOLAR

INDEX

- Company Introduction..... 01
- Vision and Mission 02
- Our products..... 02
- Wire Rod..... 04-05
- Contact details 06



Over 5 decades, Gupta Power has been continuously working to support the customers to provide cost effective energy efficient solutions.

A special dedicated R&D team is working to develop various new products to enhance the power transmission and distribution networks to address the global power demand.

Gupta Power has state-of-the-art manufacturing facilities to make its new products. It also has highly qualified and experienced professionals that provides end to end solutions for T&D sector to minimize the CAPEX and OPEX.





Mission

Touching Lives. Empowering People.

Vision

To be an internationally reputed brand that delivers world class products and services in terms of their quality and the technology used, to ensure 100% customer satisfaction without losing focus on its employee welfare.



POWER OFFERINGS

The Rhino Cables range includes:

- HT-LT Power Cables (66 KV) • 1.1 KV LT XLPE
- PVC Power Cables • HT-LT Aerial Bunched Cables
- Instrumentation Cables • Control Cables • Flexible Wire
- Mining Cables • Thermocouple Cables • Airfield Lighting Cables
- Railway Signalling Cables • Other Specialised Cables



Rhino brand of conductors includes:

- AAC/AAAC/ACSR/ACAR/AACSR/ AL 59
- HTLS (STACIR/ TACSR/ ACSS/ GAP Type



Rhino brand of Wire Rods include:

Aluminium and Alloy as per AA-
1XXX
5XXX
6XXX
8XXX



Aluminium and Aluminium alloy electrical conductor are made by various processes from wire-drawing to wire stranding from a large diameter of redraw aluminium alloy rod.

These rods fabricated by melting the aluminium ingots, plus required alloying materials, in an alloying furnace and rolled in a rod mill. Subsequent operations may vary according to end-products desired such as additional process of annealing and heat-treating.

Our EC grade aluminium rods aluminium alloy rods are widely used in the production of overhead power transmission and distribution cable where the characteristics of aluminium are of importance.

With strong and consistent emphasis on quality, we at Gupta power continues to strive for improvement in production of our aluminium and aluminium alloy rod to better meet customer requirements and expectations.

Re-Draw Rods Product

Electrical Grade

- 1 XXX Series Rod (1100,1120,1350)
- 6 XXX Series Rod (6101,6201,6061)

Mechanical Grade

- 5 XXX Series Rod (5005,5052)
- 6XXX Series Rod (6061)



TDS for AA- 1350 (EC Grade)

Sr. No	Property/Description	Unit	Guaranteed Value / Details
A	Manufacturing Standard as per ASTM B233 - 97 Diameter	mm	Aluminium Wire Rod (EC Grade), Specification MTC will be equipped with each and every consignment 9.5 (+/- 0.375 - 0.500). TDS for AA- 1350 (EC Grade)
		mm	12.5 (+/- 0.501 – 1.00)
		mm	7.6 (+/- 0.40) (AS PER IS-5484(1997))
B	Tensile Strength	Mpa	83 -- 117
C	Resistivity (Max.)	Ohm mm ² /m	0.028035
D	Conductivity (Min)	% IACS	61.50
E	Density at 20 Deg C	Kg/m ³	2705
F	Surface		The Rod shall be clean, sound smooth and free from pipes, laps ,cracks, kinks, twists, seams, damaged ends, excessive oil other injurious defects with in limit
G	Chemical Composition	%	Silicon(Si) Max- 0.10 Iron (Fe) Max 0.40 Copper (Cu) Max- 0.05 Manganese(Mn) Max- 0.01 Chromium (Cr) Max.- 0.01 Zinc(Zn)- 0.05 Boron (B) Max- 0.05 Gallium (Ga) (Max)- 0.03 Vanadium+Titanium (Max)- 0.02 Other Elements each (Max)- 0.03 Other Elements Total (Max)- 0.10 Aluminium (Min) - 99.7
H	Coil Details	mm	Coil Weight – 2000 Kgs (+/- 10%) Inner Dia 550mm to 600 Outer Dia – 1600 mm Max Traverse – 900 mm Wooden Pallet Dimension (Sea worthy Export Packing) Length & Width – 920 mm Height – 100 mm

TDS for AA - 6201 (Alloy)

Sr. No	Property/Description	Unit	Guaranteed Value / Details
A	Manufacturing Standard as per ASTM B 398 / B 398 M - 02		Aluminium Alloy Wire Rod , Specification MTC will be equipped with each and every consignment.
	Diameter	mm	9.5 (+/- 0.501)
		mm	7.6 (+/- 0.40) (AS PER IS-5484(1997)
B	Tensile Strength	Mpa	156.86 – 186.27
C	Resistivity (Max.)	Ohm mm ² /m	0.033806
D	Conductivity (Min)	% IACS	51
E	Density at 20 Deg C	Kg/m ³	2690
F	Surface		The Rod shall be clean, sound smooth and free from pipes, laps ,cracks, kinks, twists, seams, damaged ends, excessive oil other injurious defects with in limit
G	Chemical Composition	%	Copper (Cu) Max- 0.10 Iron (Fe) Max 0.50 Silicon (Si) - 0.50 – 0.90 Manganese(Mn) Max- 0.03 Chromium (Cr) Max.- 0.03 Zinc(Zn)- 0.10 Boron (B) Max- 0.06 Magnesium- 0.60 – 0.90 Other Elements each (Max)- 0.03 Other Elements Total (Max)- 0.10 Aluminium (Min) - Remainder
H	Coil Details	mm	Coil Weight – 2000 Kgs (+/- 10%) Inner Dia 550mm to 600 Outer Dia – 1600 mm Max Traverse – 900 mm Wooden Pallet Dimension (Sea worthy Export Packing) Length & Width – 920 mm Height – 100 mm

Our other range of products



Flexible Cable

- Single Core Industrial Flexible Cable
- Multi Core Industrial Flexible Cable
- Co Axial TV Cable
- Submersible Cable
- Telephone Switch Board Cable



Conductors

- AAC/AAAC/ACSR/ACAR/AACSR/ AL 59
- HTLS (STACIR/ TACSR/ ACSS/ GAP Type



Rhino LED Lighting

- Indoor Lighting
- Outdoor Lighting
- Retail Lighting
- Corporate campus Lighting
- Warehouse Lighting
- Facades
- Healthcare Lighting
- Residential Lighting



HT-LT Cable

- HT-LT Power Cables (66 KV)
- 1.1 KV LT XLPE
- PVC Power Cables
- HT-LT Aerial Bunched Cables
- Instrumentation Cables
- Control Cables
- Mining Cables
- Thermocouple Cables
- Airfield Lighting Cables
- Railway Signalling Cables
- Other Specialised Cables

Optical Fibre Cable

- Duct Cable
- Armored Cable
- Cable with Glass Rovings
- Micro Cable
- ADSS Cable
- Ariel Cable
- Hybrid Cables
- CATV Cables
- FTTH Cables
- Indoor Cables



Gupta Power Infrastructure Limited

CORPORATE OFFICE / INTERNATIONAL BUSINESS DIVISION
Cuttack Road
Bhubaneswar 751 006, Odisha
T + 91 674 2313898/2312945
F +91 674 2312083

REGISTERED OFFICE
EN 62, Sector V, 7th Floor
Salt Lake City
Kolkata 700 091, India
Tel/Fax +91 33 40657348

ODISHA
Plot No. F/9 IID Centre
Khurda 752 054

WORKS

UTTARAKHAND
Plot No. 132
Nandanagar Ind. Estate
Phase II, Vill Mahaukheraganj
Kashipur 244 713

TAMIL NADU
Shed No. 13 & 18, Phase V
SIDCO Ind. Estate
Gummidipoondi 601 201

For enquiries: exports@guptapower.com, info@guptapower.com, rhino@guptapower.com

www.guptapower.com