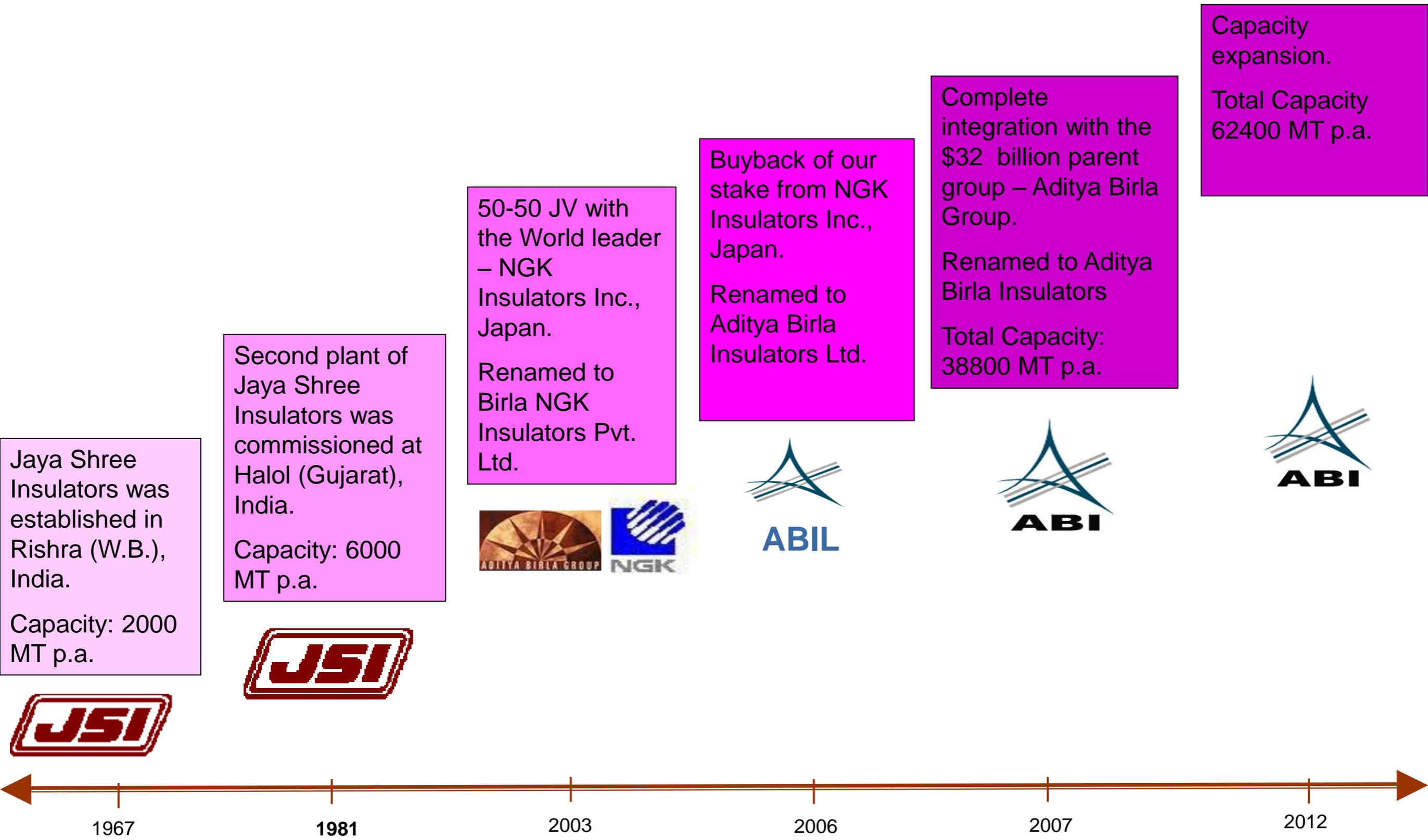


The background consists of several overlapping, semi-transparent geometric shapes in various shades of red and orange. These shapes, including triangles and polygons, are arranged in a dynamic, non-repeating pattern that creates a sense of depth and movement. The colors range from a deep, dark red to a lighter, more vibrant orange-red.

ADITYA BIRLA INSULATORS

Insulators | Evolution





Halol Plant, Gujarat

Halol Works, Gujarat, India. The plant has a Capacity of 24150 MT p.a. and is dedicated to the Sub-station, Traction & Line Post Insulators, besides Composite Insulators.

Rishra Works,
West Bengal, India

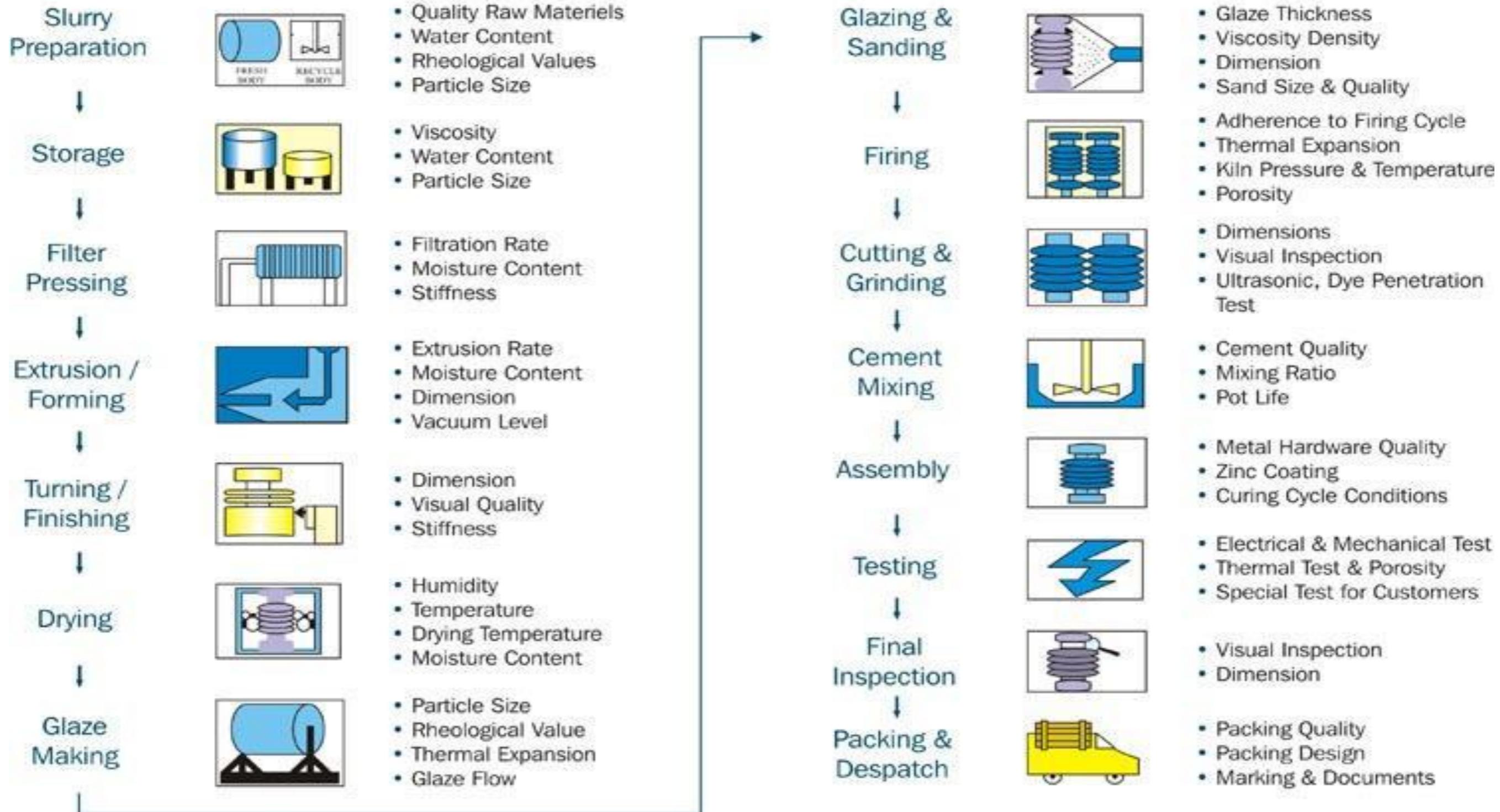
The plant has a capacity of 38250 MT p.a. and is dedicated to Transmission Insulators



Rishra Plant, West Bengal

- ❖ Highest installed capacity in India - **62,400 MT p.a.**
- ❖ Widest Product Range of Porcelain Insulators - **From 11kV to 1200kV**
 - Substation (Solid Core Station Post and Hollow Core Insulators),
Traction (Railways), Line Post
 - Transmission Insulators (Suspension Disc Insulators, Pin Insulators)
- ❖ Long Rod Composite / Polymer Insulators from 11kV to 400/500kV

PRODUCTION PROCESS AT ADITYA BIRLA INSULATORS



Insulator Type	Ratings	Applicable Standards
Solid Core Station Post Insulators	Up to 1200 kV	IS, IEC & ANSI
Long Rod Insulators	Up to 500 kV	IS, IEC & ANSI
Traction Insulators for Railways Electrification	25 kV	IS, IEC & RDSO
Solid Core Line Post Insulators	Up to 66 kV	IEC and ANSI
Apparatus Porcelain Insulators for SF6 Circuit Breakers, ITs, Condenser Bushings, Lightning Arresters etc	Up to 800 kV	IS, IEC & ANSI

Insulator Type	Profile/Rating	Mechanical Strength	Creepage Distance	Applicable Standards
Suspension Disc Insulators	Super Fog, Anti Fog, Semi-fog, Normal, Open Profile	Up to 420 kN	Up to 690 mm	IS, IEC, BS, ANSI & Australian Specs
Pin Insulators	Up to 69 kV	Up to 10 kN	Up to 1080 mm	IS, IEC, BS, ANSI, AS Specs
Post Insulators	Up to 36 kV Up to 245 kV with Multi-units	Up to 32 kN	Up to 1050 mm, Single unit	IS, IEC & ANSI Specs
HVDC	Up to 500 KV	210 kN	-	IS, IEC & ANSI Specs

Insulators | Certified Management Systems

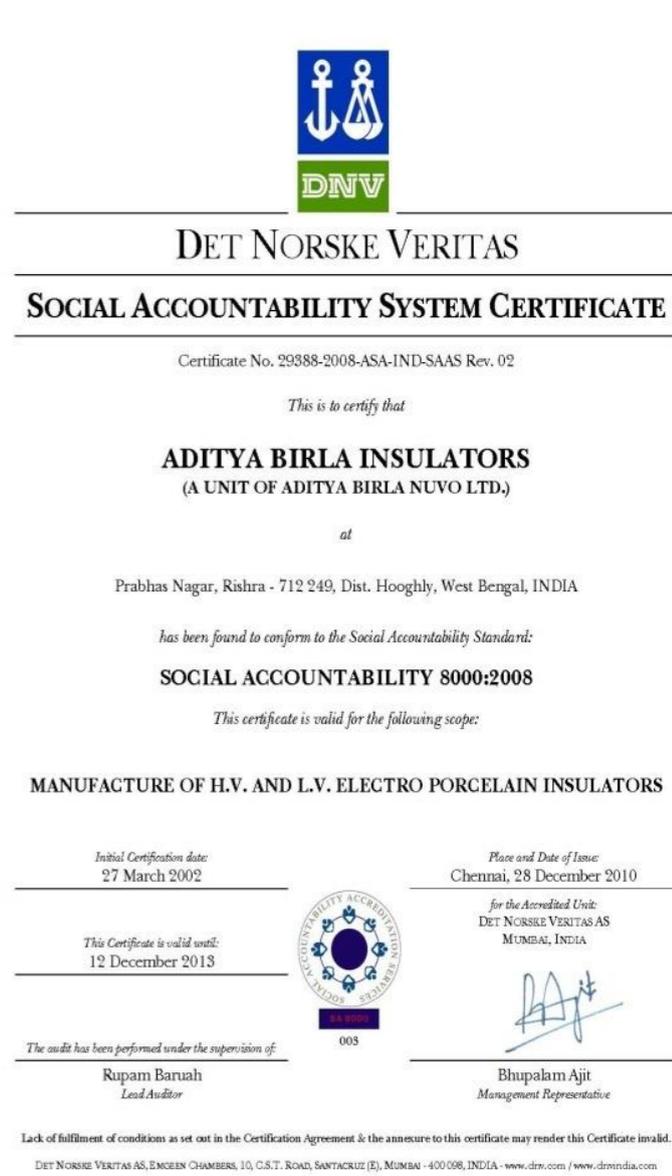


ISO 9001:2008

ISO 14001:2004

OHSAS 18001:2007

SA 8000:2008



ELECTRICAL, CHEMICAL AND MECHANICAL TESTING LABORATORIES ARE "NABL" ACCREDITED.



Particle Size Analyzer



Optical Microscope



Piston Type Extruder



Process Ball Mill



Dilatometer

Insulators | Testing facilities for Transmission Products



Vibration Testing Setup



800kV 20kJ Impulse Generator



1000kN Tensile Testing Machine

The various type of Mechanical Tests are

- Bending Load Test- Four direction
- Tensile test
- Torsion Test
- Compression Test
- Inner Pressure Test
- Mechanical Performance Test



1200 KV Bending Machine/Joint CT



Ultrasonic Testing Machine



Bending Machine

Insulators | Packing & Dispatch



Aesthetic, all-weather packing after due cleaning of Insulators



Loading by Forklift



Truck Loading through Crain



Safe despatch to the customer

Insulators | ABI's Global Footprint



Our insulators are up and running in over 56 countries

Approved Vendor for entire range of 765kV Transmission & Substation products. Presently enjoy highest domestic market share in this segment

1200kV Product Range

- Developed 1200kV Product Range for Substation & Transmission and successfully charged by PGCIL.

Super fog Range for Transmission

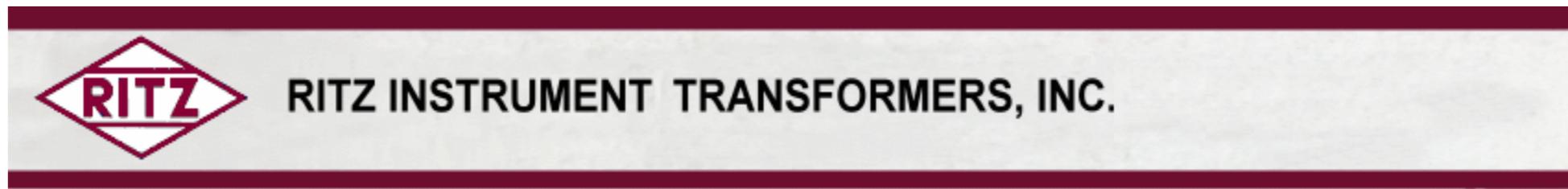
- Disc Insulators with 612mm creepage successfully developed, tested & supplied.

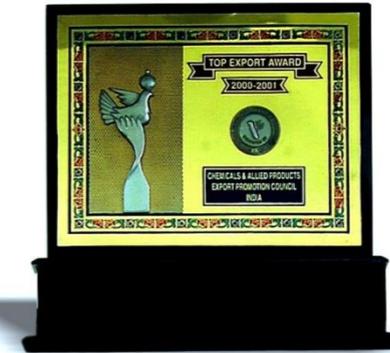
HVDC Product Range

- Development of Insulators for HVDC applications is under progress

- New Shuttle kiln of 2500 MT per annum capacity commercialized
- Jointed insulators upto 5000mm
- CNC shaping machine for 850mm O.D insulator
- Bar coding of Insulators

Insulators | Valued Customers





Some of the awards that ABI has won are:

- IMC Ram Krishna Bajaj performance excellence award – 2011-12 (equivalent to Deming Quality Award)
- IMC Ram Krishna Bajaj National Quality Award – Certificate of Merit 2009 & 2010
- IMC Ram Krishna Bajaj National Quality Award – Commendation Category 2008
- GOLDEN PEACOCK Environment Management Award – 2008-09
- *GOLDEN PEACOCK National Quality Award - 2007*
- CAPEXIL Export Award for 21 Years in a row
- Export Excellence awards for His Excellencies – The President of India and also from the Prime Minister of India



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