

MODERN GROUP



Winner of
TOP EXPORT AWARD
for **4** consecutive years
in succession by Ministry of Commerce,
Govt of India

Modern Group is a leading engineering and textile industrial group in India, with four manufacturing divisions across the states of Rajasthan and Gujarat. Modern group is focused on technology and the manufacture of premium products and set up all its plants in collaboration with leading technology brands in the world. All the companies in the group are ISO certified.

Following are the four divisions present in Rajasthan and Gujarat:

MODERN INSULATORS LTD.

MODERN DENIM LTD.

MODERN TERRY TOWELS LTD.

MODERN FOUNDRY DIVISION (ALUMINIUM & SGI CASTING)

Recently, as a vertical integration, Modern group has set up an Aluminium and SGI foundry at Abu Road, Rajasthan. This division manufactures SG iron, Cast iron, Aluminum alloy castings, which cater not only for in house consumption, but also for all requirements globally.



ISO 14001:2004



ISO 9001:2008



An ISO 9001:2008
& ISO 14001:2004
Certified Company



INSULATORS LTD.

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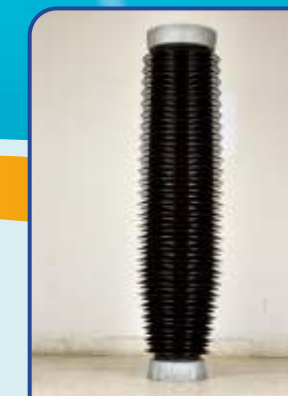
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An ISO 9001:2008
& ISO 14001:2004
Certified Company



We walk hand in hand
with Quality & Quantum



www.moderninsulators.com

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Modern Insulators Ltd (MIL) is a world-renowned, leading manufacturer of Porcelain Insulators, based in the state of Rajasthan, India. It offers porcelain insulators from 33KV to 765KV apart from 25KV insulators for OHE for Indian Railways. MIL works closely with all major OEMs, Indian Railways, Regional, National and International Utilities, as well as EPC companies nationally & worldwide.*

MIL is an arm of the Modern Group of Industries - an industrial and textile group, and was set up in 1985 in technical collaboration with Siemens, Germany. Modern Insulators is also India's largest exporter of porcelain insulators and exports to over 50 countries, spread over 6 continents worldwide.

Modern Insulators is also the only manufacturing facility in India to have established manufacturing of **exclusive** aluminous porcelain insulators (C130), as compared to other Indian manufacturers who offer silica - based insulators (C100) along with aluminous porcelain insulators.

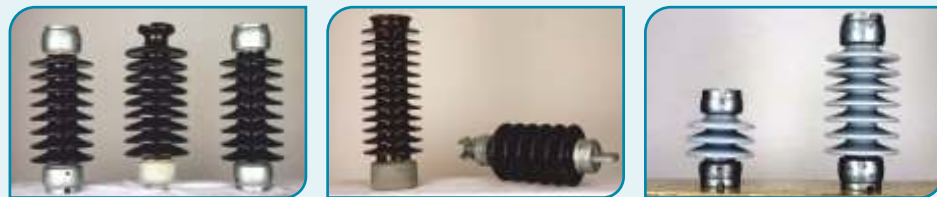
C130 grade porcelain insulators offer better electrical & mechanical strength, longer life & reliability.

Our products have a repeat value & our plant capacity has been increased to cater to ever-increasing demand from 1000 MT per annum, from inception, to 25000 MT per annum, as of date.

Besides, a world class set-up with technology from Siemens, Germany that sets us apart, we are also the only fully integrated plant, that manufactures the insulator body as well as the crucial metal fittings, (both SGI & Aluminium) installed on the insulator.

We, operate one of the largest, fully-integrated plant of 25000 MT capacity per annum, AT ONE LOCATION, worldwide, and offer the entire range of porcelain insulators for all applications - Substation, Transmission Lines, and Railway Electrification.

(*Reference List of customers can be shared, on request)



Perfection

PIONEERS AND MORE

MIL has the most sophisticated infrastructure for the manufacture and testing of HV and EHV porcelain insulators required for transmission lines, distribution lines, sub-stations, railway electrification, electrical switchgear and control equipment.

MIL has developed a multitude of designs varying in physical, mechanical and electrical characteristics conforming to the latest IEC, ANSI and ISI standards, to meet the specific needs of its customers.

We are one of the most trusted and preferred supplier in the country and work with PGCIL - the national utility, as well as state utilities. We have worked for over 30 years to perfect our products and our core strength lies in the manufacture of HV and EHV insulators - a crucial product for T&D network reliability. Our insulators ensure reliable power supply.

We are also the largest supplier of railway insulators in the country for OHE application of 25KV and meet about 80 % of the railway insulator requirement of India.

MIL is also the leading supplier of HOLLOW insulators for SF-6 circuit breakers as well as CTs/CVTs up to 765 KV.

MIL boasts a customer base of all the leading OEMs & EPC contractors worldwide e.g. ABB, GE, Siemens, ZETO, BHEL, CGL, L&T etc.

MIL is the pioneer, in India, in manufacturing solid core insulators as well long rod insulators for HV & EHV transmission lines & sub-station application, upto 765KV.

MIL insulators are regularly type-tested in Overseas and Indian labs, e.g. CESI, CPRI etc. according to applicable standards.



PORCELAIN LONG ROD INSULATORS (PLRI) - A SUPERIOR PRODUCT

Porcelain Long Rod Insulator (PLRI) is an alternative to the conventional Disc Insulators. Being type "A" as per IEC i.e. puncture proof, PLRI is a superior option to conventional Disc Insulators. Also, PLRI can be shaped into any profile to meet the pollution requirements. No wonder, performance of Porcelain Longrod Insulator with 25 mm/kV CD (6125 mm CD) equal to Conventional Disc Insulators with 31 mm/kV CD (7595 mm CD).

PLRI is a product of German design & ingenuity and MIL was the first company to introduce them in India. MIL - make Long Rod Insulators are in regular service, on Transmission Lines up to 765 KV and also on 1200 KV line, in a development project at BINA Sub-station, by PGCIL.

As a practice, most utilities budget for insulator replacements, which sometimes can be as high as 40% of the total budget for maintenance of transmission lines. However, utilities who have used Porcelain Longrod Insulators in their transmission lines reported minimal or nil replacement requirements; thus saving a huge expense.

With comparatively lesser weight of a PLRI string as compared to equivalent disc strings, tower designing is cost effective, resulting in major savings.

Reliability

QUALITY AND INNOVATION AT ITS CORE

We, at Modern Insulators, are focused on product quality, technology and innovation. We are constantly working on improving our product to meet the ever - changing customer requirements.

MIL has developed special profile insulators, which have successfully withstood the highest withstand **Salinity level of 224 Kg/ M3* in artificial Pollution Test at CPRI, Bangalore (* the highest salinity level specified in IEC:60507:2013 for Porcelain Insulators)**. These special profile insulators ensure zero line tripping whereas other insulators have been unable to do so.

Now, many utilities are requesting for installation of these special profile insulators on sites where other insulators have failed to withstand the pollution levels.

Quality

