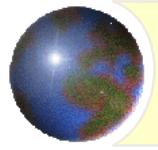


# MODERN INSULATORS LIMITED



**Insulators for transmission, substation equipment and electric traction**



## MIL Information

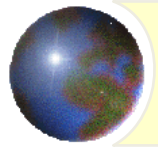
Plant Location :

Abu Road, Rajasthan, India

Setup in 1985 under technical collaboration with Siemens, Germany

Current Plant Capacity:  
26000 MT per Annum

Largest facility for Insulator manufacturing at a single location in India



## MIL Information

**Backward Integration with In-house Aluminium & Ductile Iron foundries**



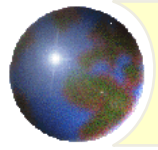
**ISO 9001- 2015 & 14001- 2015 certified company**



**Sales turnover of US\$ 53 million in 2019 – 2020  
Export turnover account for 30% of total turnover**



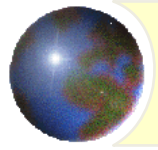
**Products exported to more than 50 countries worldwide**



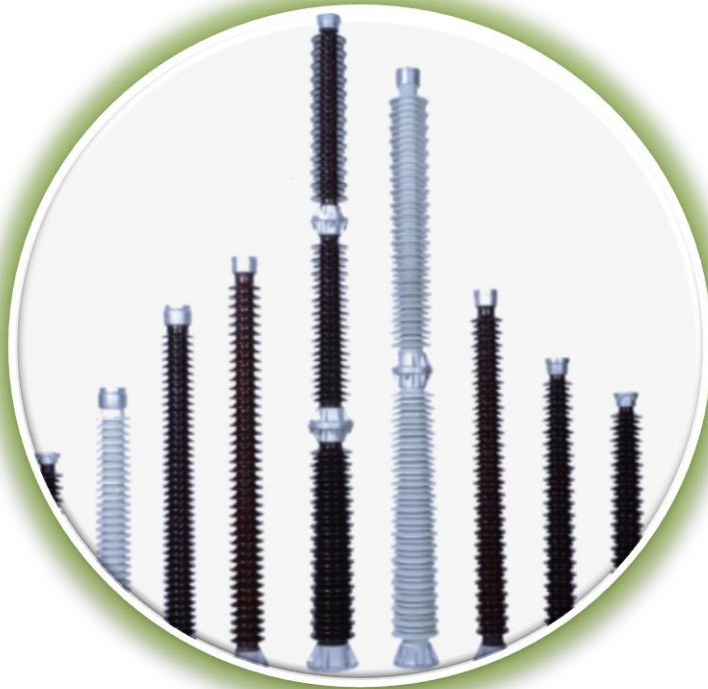
## Long Rod Insulators



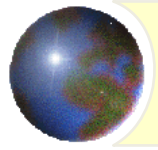
- Voltage Range: 33 kV to 1200 Kv
- Application: Transmission & Distribution Line applications



## Solid Core Post Insulators



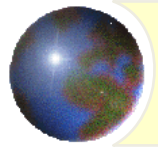
- Voltage Range: 33 kV to 1200 Kv
- Application: Isolators, Bus bar support and other substation applications



# Hollow Porcelain Insulators



- **Voltage Range: 33 kV to 800 kV**
- **Applications:**
  - **Current Transformers**
  - **Potential Transformers**
  - **Capacitive Voltage Transformers**
  - **Surge Arresters**
  - **Circuit Breakers**
  - **Electrostatic Precipitators**
  - **Bushing & other applications**

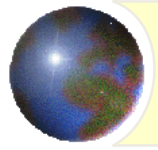


# Railway Insulators



- **Voltage Range: 25 kV**
- **Application: Electric traction lines & locomotives**

**More than 2.3 million units supplied in the last 10 years**

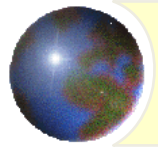


# MODERN INSULATORS LIMITED



## List of major overseas customers / countries

Sl. No	Name of Customer	Countries
1	ABB	USA / EGYPT / CHILE / UAE / INDONESIA / JAPAN/ NORWAY/ SWITZERLAND
2	SIEMENS	BRAZIL / MEXICO / TURKEY / GERMANY/ UKRAINE
3	GE	USA / TURKEY
4	TRENCH	CANADA / ITALY
5	NEWELL PSN / HUBBELL	USA
6	GURAL / AKAY/ BKZ / EMEK/ GENSER	TURKEY
7	ACTOM / AVERGE / CONCO / REACTIVE POWER	SOUTH AFRICA
8	TSG / GECMAL / TNB	MALAYSIA
9	ZETO / RAMENSKY	RUSSIA
10	WEG	BRAZIL
11	MESA	SPAIN
12	HAPAM	NETHERLANDS
13	INSULECT	AUSTRALIA
14	SNMEC	IRAQ
15	LUCY SWITCHGEAR	UNITED KINGDOM
16	PARS	IRAN
17	EGIC / SDCEM	FRANCE
18	ALPHA / ABB	SWITZERLAND
19	MEIDENSHA	JAPAN
20	HYUNDAI	KOREA



# MODERN INSULATORS LIMITED



## Porcelain long rod insulators – advantages

Absolutely puncture proof. No Puncture Insulator detection (PID) required throughout its life time.

Best-in-class pollution performance meeting the maximum salinity of 224 kg/m<sup>3</sup> as per IEC.

Accumulates less pollution with good self-cleaning property.

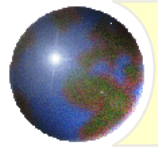
Repeatedly tested for a short circuit level of 40kA with various string configurations.

No ball pin shearing due to Aeolian vibrations.

Suitable for hot line / live line maintenance work.

No deterioration in mechanical / electrical performance even with broken sheds.

Long life of 40+ years with absolute reliability.



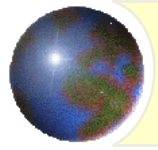
# MODERN INSULATORS LIMITED



## PLRI Supply record (For last 10 Yrs)

1<sup>st</sup> April 2011 – 31<sup>st</sup> March 2021

Sl. No	Voltage Rating	KN Rating	Qty. (Strings)
1	33 kV	70 / 90	843
2	66 kV	70 / 90	26058
3	110 / 132 kV	70 / 90 / 120	178075
4	220 kV	70 / 90 / 120 / 160	126887
5	400 kV	120 / 160 / 210 / 320	190743
6	765 kV	160 / 420	15693
7	1200 kV	320	60
8	550 kV HVDC	160	48
<b>TOTAL</b>			<b>538,407</b>
<b>Total no. of units supplied (PLRI)</b>			<b>&gt; 1,100,000</b>



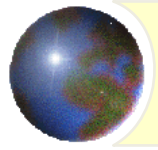
# MODERN INSULATORS LIMITED



## Solidcore/Hollow Supply record (For last 10 Yrs)

1<sup>st</sup> April 2011 – 31<sup>st</sup> March 2021

Sl. No	Voltage Rating	Solidcore	Hollow
1	33 kV	109353	38645
2	44/52/66/72kV	152575	111325
3	110 / 123/ 132 kV	457213	169993
4	150/161/170/220/275 kV	212097	135894
5	300/400 kV	134180	38761
6	500/550 kV	2282	107
7	765 kV	8354	1855
8	1200 kV	10	-
<b>TOTAL</b>		<b>1,076,064</b>	<b>496,580</b>



# MODERN INSULATORS LIMITED



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