

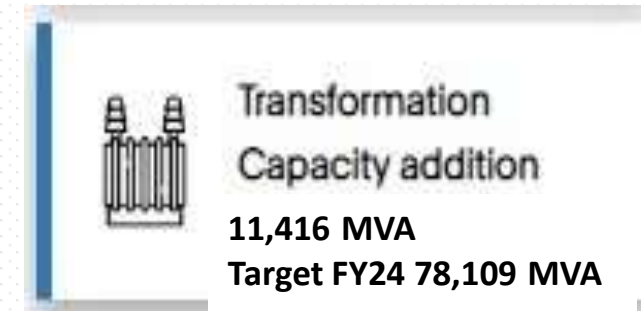
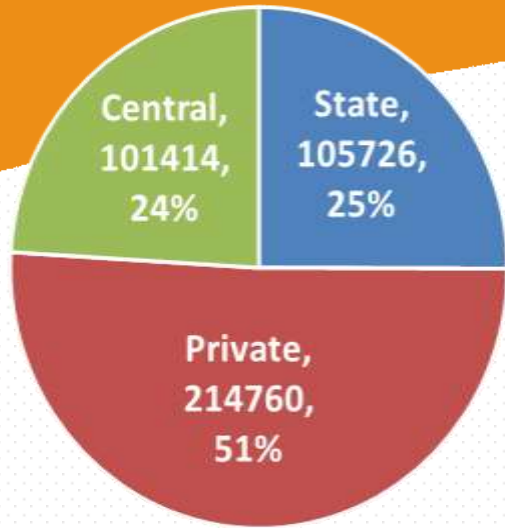
# **Status - Indian Electrical Industry**

## **April to Jun 2023**

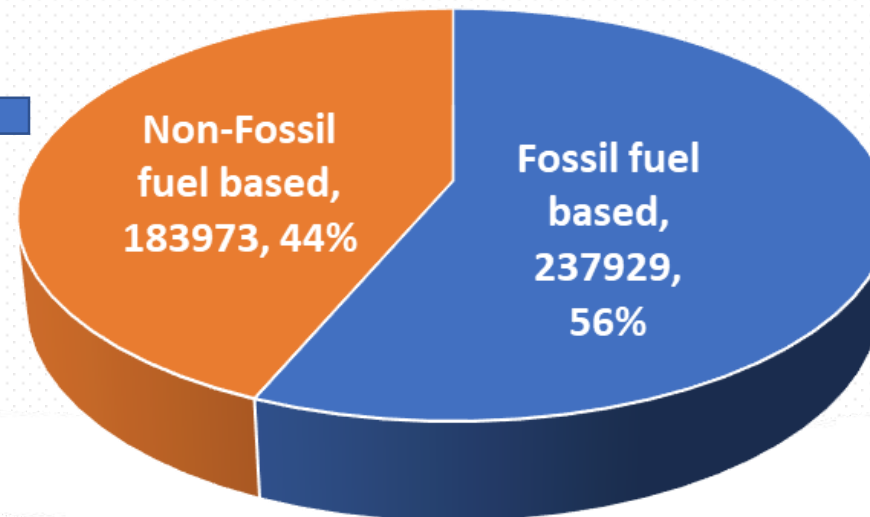
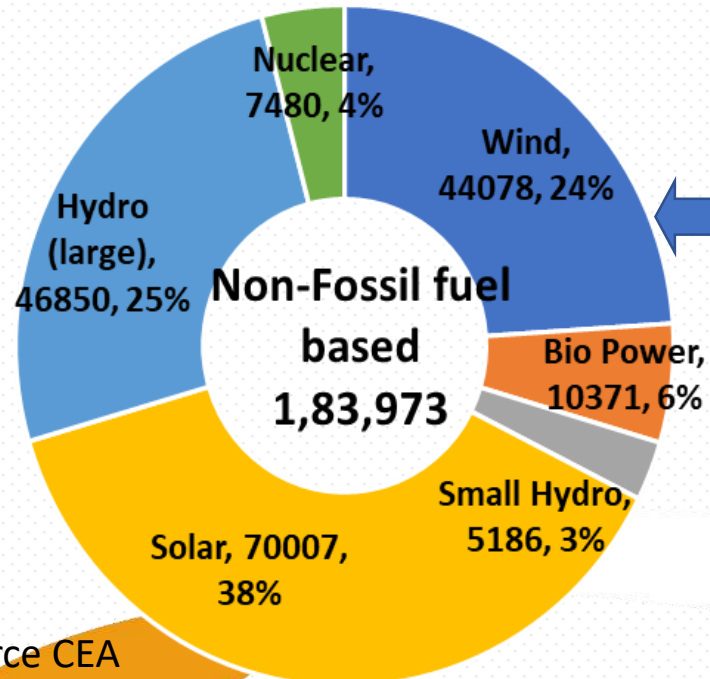
# Indian Power sector till Jun 23

**Installed Generation Capacity as on 30 Jun 2023 is 4,21,902 MW**

**5,842 MW generation capacity added in Q1FY24, 77% is Non-Fossil fuel based**

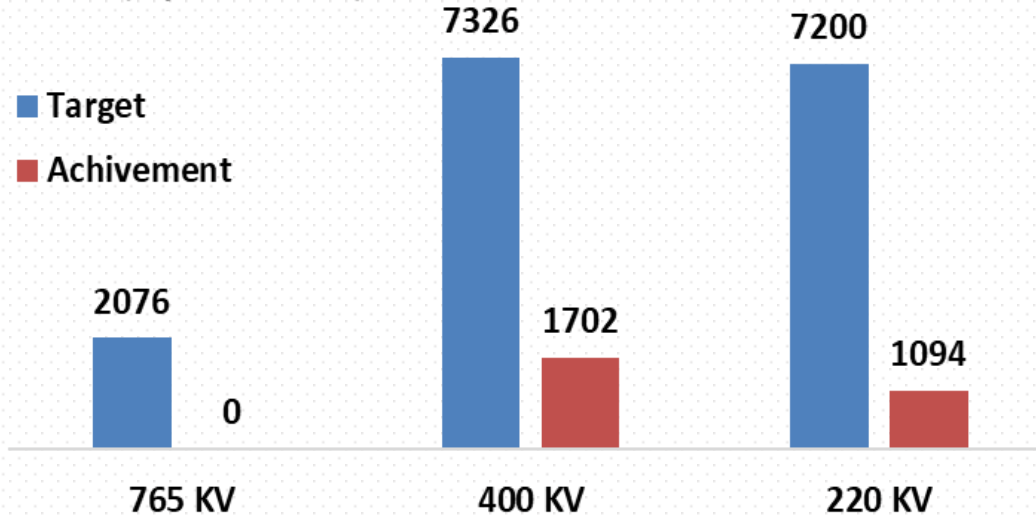


## All India Installed Capacity (MW) as on Jun 23



# Indian Power sector till Jun 23

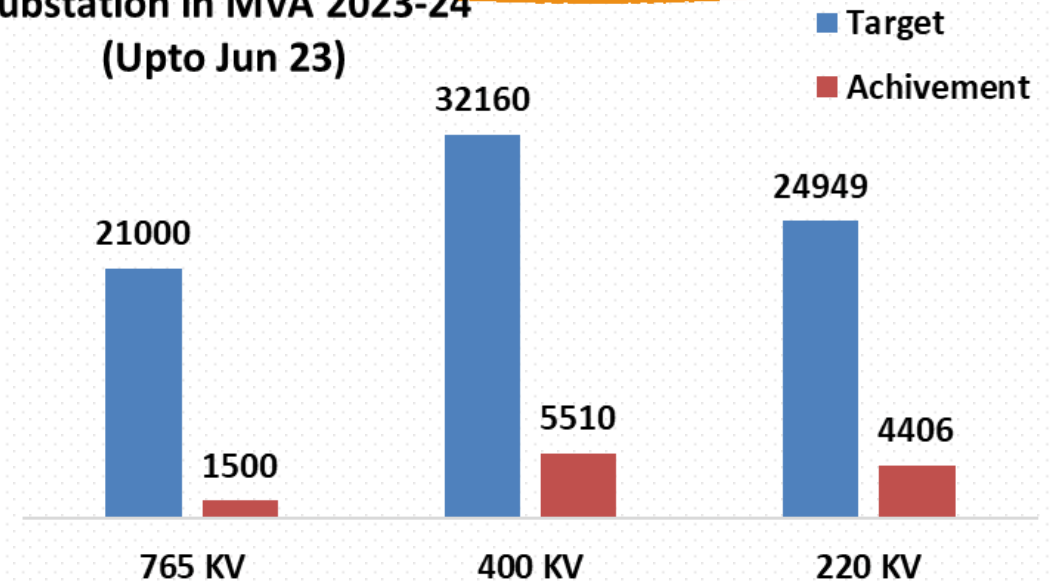
**Transmission Lines in CKM 2023-24  
(Upto Jun 23)**



## Transmission Lines:

2,796 achieved up to Jun 23 against annual target of 16,602 CKM of FY24 (17%)

**Substation in MVA 2023-24  
(Upto Jun 23)**



## Transformation Capacity (Sub-Stations):

11,416 MVA achieved up to Jun 23 against annual target of 78,109 MVA of FY24 (15%)

The tentative additional ckm and MVA capacity under ISTS, required for integration of additional RE capacity by 2030 is given

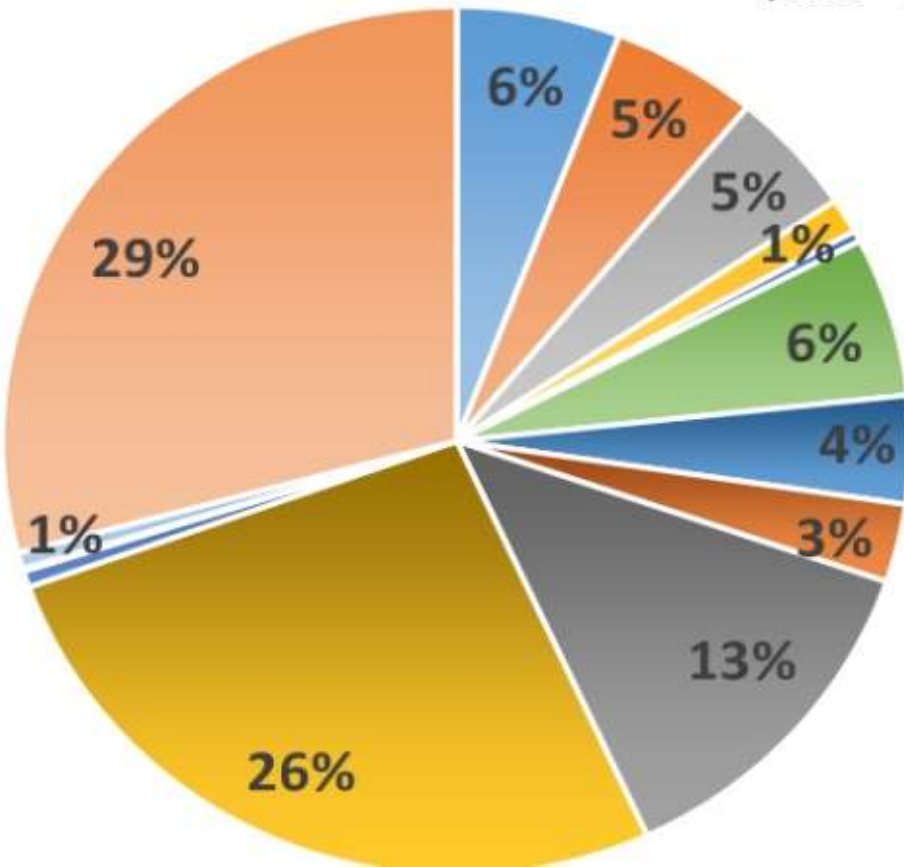
	±800	±350	765	400	220	Total
Transmission Lines (ckm)	6200	1920	25960	15758	1052	50890
Sub-station capacity (MVA)	20000	5000	274500	134075	0	433575

# Sector wise break up of major electrical equipment

**FY2022-2023**

Overall domestic Power Equipment production excl. Services and other allied business is estimated at Rs. 2.6 Lac crs / USD 33 bn (Growth of 18% over last year FY21-22)

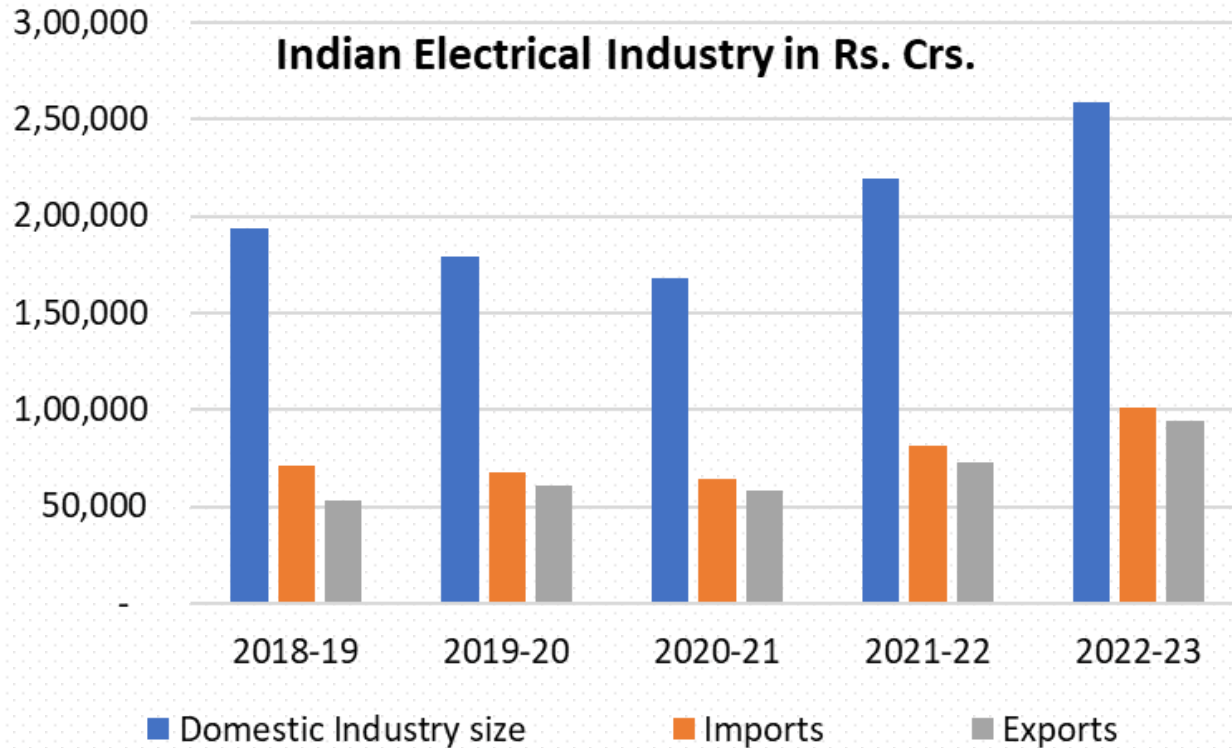
Industry represents 45% in Capital Goods sector, 6.8% in Total Manufacturing and 1% in GDP in India



- Rotating Machine
- Energy Meter
- Transmission Line Tower
- Cables
- Insulator

- Distribution Transformer
- Capacitor
- HV\_MV Switchgear
- Instrument Transformer
- Other Electrical Equipment

- Power Transformer
- Conductor
- LV Switchgear
- Surge Arretster

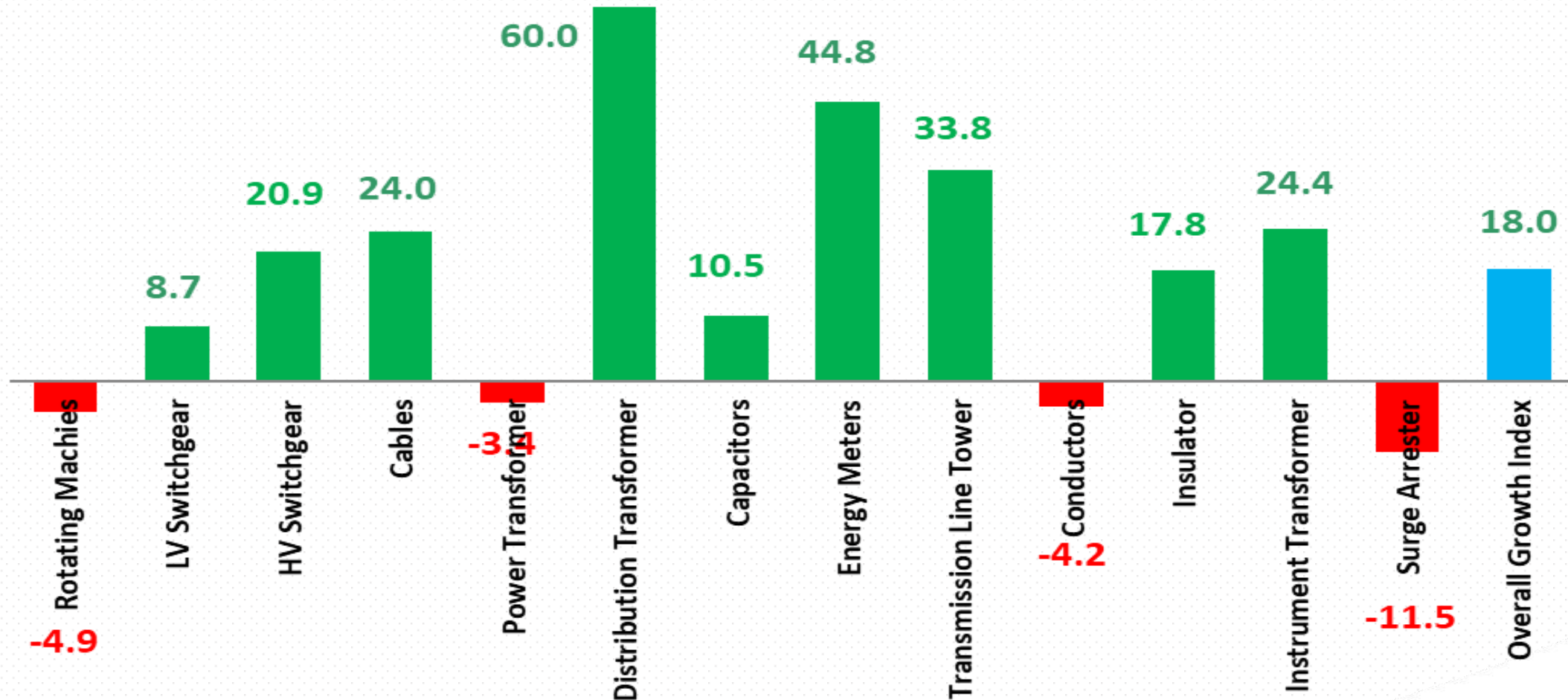


## India's Exports and Imports scenario

- Overall Exports have increased by 30% last year.
- Major products exported – Rotating Machines, Power Electronics, Switchgear & Panels, Transformers, Cable & TLT
- Exporting Countries – USA, UAE, Germany, UK, Bangladesh
- Imports increased by 24% in last year especially for Power Electronics, Transformers & parts, LV and HV Cables, LV & HV Custom built products, Rotating Machines etc
- China still accounts for about 37% share in Imports followed by Germany and Japan

# Growth Index for Electrical Equipment industry

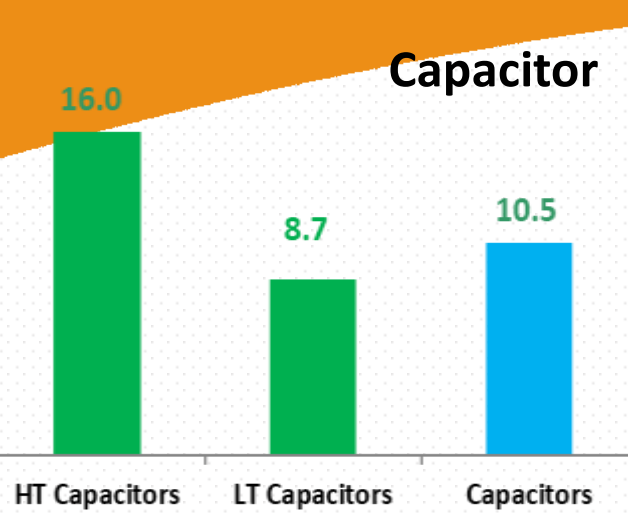
## Apr 2023 – Jun 2023 compared with Apr 2022 – Jun 2022



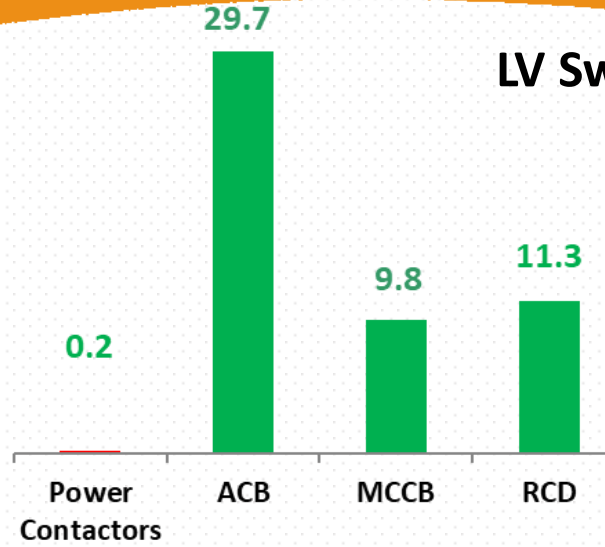
Overall growth seen in Q1FY24 except for Rotating Machines, Power Transformer  
LV, MV segment shown growth for most of the products  
Production is supported by domestic as well as exports orders

# Sector wise break-up of % Growth Index Apr 23 – Jun 23 over Apr 22 – Jun 22

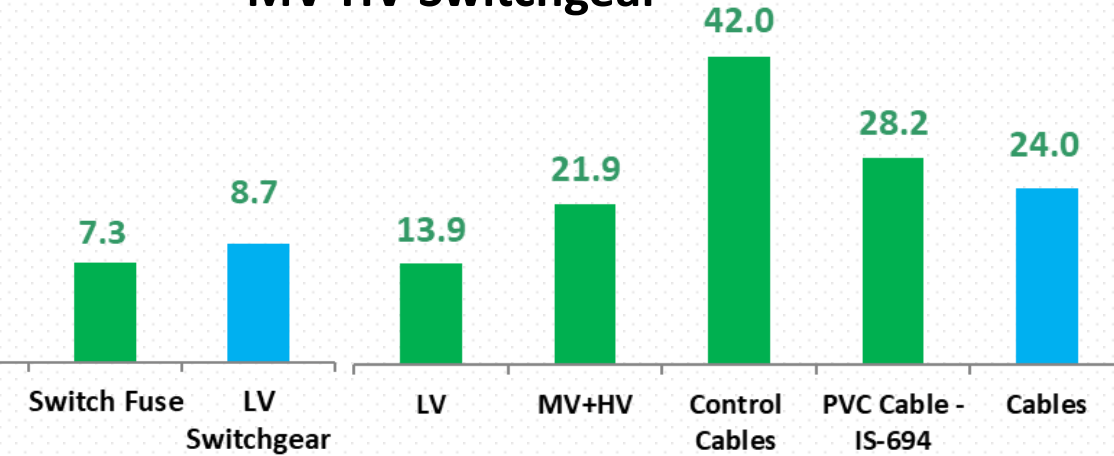
## Capacitor



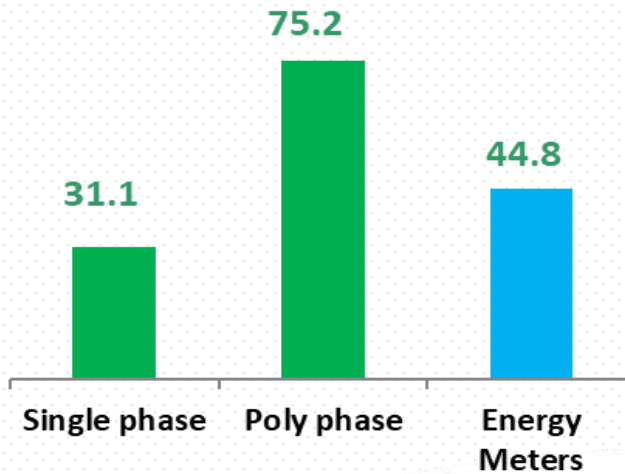
## LV Switchgear



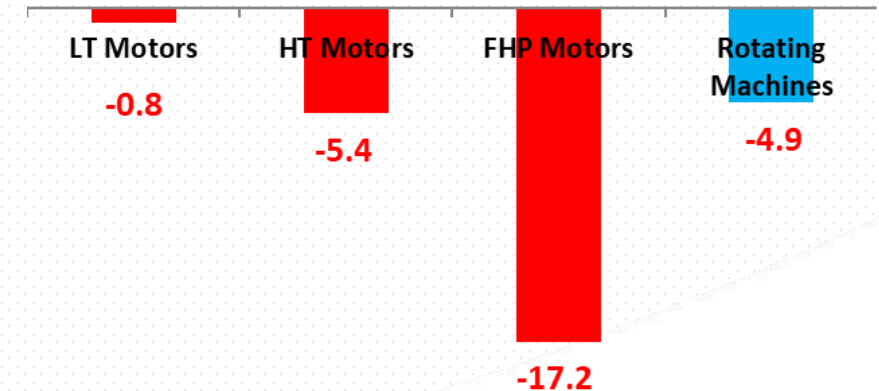
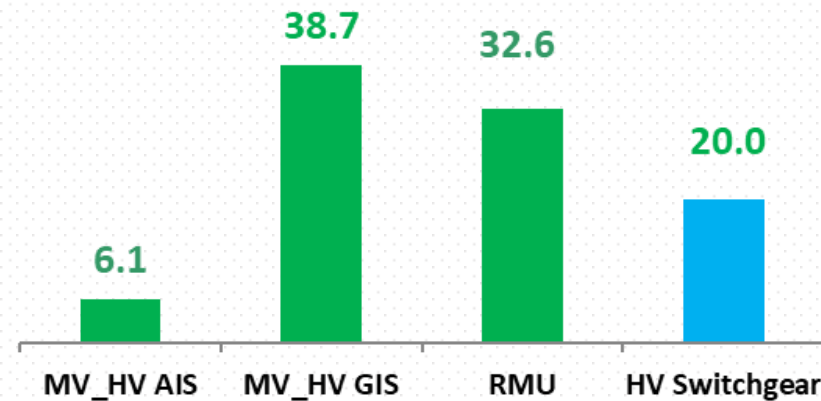
## MV-HV Switchgear



## Energy Meters



## Cable



## Rotating Machines

# Detailed Growth Index for Electrical Equipment Industry

Product Category	Apr - Jun 23 comapred to Apr - Jun 22	Product Category	Apr - Jun 23 comapred to Apr - Jun 22
L.T. Motors	-0.8	HT Circuit Breakers - AIS	6.1
FHP Motors	-17.2	MV_HV GIS	38.7
H.T. Motors	-5.4	RMU	50.0
D.C. Machine	-42.4	HV SWGR	20.9
Rotating Machines	-4.9	Power Contactors	0.2
Power Cables: LV	13.9	ACB	29.7
Power Cables: MV+HV	21.9	MCCB	9.8
Control Cables & other Special Purpose Cables	42.0	RCD	11.3
PVC Cable - IS-694	28.2	MCB	-1.6
Cable	24.0	SDF	7.3
Distribution Transformer	60.3	LVSWGR	8.7
Power Transformer	-3.4	Switchgear	11.0
Transformer	30.3	Current Transformer	20.3
Single phase	31.1	Voltage Transformer	33.4
Poly phase	75.2	Instrument Transformer	24.4
Meter	44.8	Polymer	-14.5
Conductors	-4.2	Porcelain	-4.2
Transmission Line Towers	33.8	Surge Arrester	-11.5
Tramsmission Lines	11.3	Porcelain	2.8
HT Capacitor	16.0	Composite	66.5
LT Capacitor	8.7	Insulator	17.8
Capacitor	10.5		

**Overall Electrical  
Equipment Industry  
Growth Index**



**Apr - Jun 23  
comapred to  
Apr - Jun 22**

**18.0**

## Import and Export data

ITC codes	Product Groups	April - Jun FY 2023-24		April - Jun FY 2023-24		Domestic % Growth Q1FY24 over Q1FY23
		Import	Export	Import	Export	
		Value in Rs. Crores		% Variation		
8501 excl. 850110 & 20	Motors & AC Generators	1828	1330	11	46	(-) 4.9
850423	Power TRF	36	274	-42	41	(-) 3.4
850421-22, 850433-34	Distribution TRF	273	857	86	76	60.3
853210	Capacitors	179	115	6	49	10.5
8535, 853720	HV SWGR incl. Panels	395	793	33	38	20.9
8536, 853710	LT Switchgears incl Panels #	4530	3339	31	31	8.7
854442/49/60	Cables - LV & HV	471	1969	34	34	24.0
902830	Energy Meters	16	91	45	57	44.8
73082011/19	Tr. Line Towers	5	883	-64	-1	33.8
7604 & 7614	Conductors	191	1511	6	51	(-) 4.2

- Import – top countries - China, Germany, Singapore
- Export – top countries - USA, UK, UAE

## Engage on IEEMA Social Media Platforms



**follow-ieema**



**@tweetieema**



**followIEEMA**



**ieema-electrifyingindia**