



Indian Trade Journal - Commodity Profile Report

**Commodity Exim Report for 1st week of December, 2025
dated 3rd December, 2025**

Export

**ITCHS 8504 –Electrical Transformers, Static
Converters (for example, Rectifiers)
and Inductors.**

Import

**ITCHS 2510–Natural Calcium Phosphates, Natural
Aluminium Calcium Phosphates and
Phosphatic Chalk**

Commodity EXIM Report

DGCI&S, I T J Division

1. The weekly EXIM Report published by ITJ Division of DGCI&S, Kolkata presents some basic insights into India's export and import trade patterns with respect to selected set of commodities identified each week in order to facilitate preliminary commodity group/sector specific analysis for informed trade decision making.
2. For both categories of trades, one commodity group is chosen from the entire ITC-HS 4-digit Classification (latest being 2024 classification system). The Indian Trade Classification based on Harmonized System has been adopted in India for Export and Import Operations. While India specific data is sourced from DGCI&S, M/o C&I Database, global export-import data of exactly those sets of commodities are sourced from UN-COMTRADE Database.
3. As regards the time-period, this report outlines trade statistics over a period of four years, i.e., 2021 to 2024. The latest finalized data available on the UN Comtrade Database is only up to year 2024 and on the DGCI&S Database up to September, 2025. So, for each commodity group dealt in this report, trends from 2021 to 2024 have been showcased where data has been sourced from UN Comtrade and from DGCI&S database.
4. In the instant report [1st weekly Commodity Exim Report of December, 2025 dated 3rd December, 2025] the following two commodities have been dealt with.

Export :Electrical Transformers, Static Converters (for example, Rectifiers) and Inductors[ITCHS Code –8504] -In 2024 this commodity group had 0.68% share in India's total Export value basket as per DGCI&S database. As per UN Comtrade database India occupied the 12th slot in export of this commodity (2978.36 million USD) with 1.95% share of total global exports in the year 2024.

Import : Natural Calcium Phosphates, Natural Aluminium Calcium Phosphates and Phosphatic Chalk [ITCHS Code –2510] - In 2024 this commodity group had share of 0.25% in India's total Import value basket as per DGCI&S database. India having 40.29% share of total global imports of this commodity (1791.24 million USD) occupied the top slot in the world in 2024.

EXPORT

Electrical Transformers, Static Converters (for example, Rectifiers) and Inductors classified as H.S. Code – 8504 falls under Chapter -85 (Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories of such articles) of Section-XVI (Machinery & their Parts, Electrical & Electronic Equipment, Parts thereof) of ITC-HS classification. India is engaged in the process of exporting this commodity and in 2024 this commodity group had 0.68% share in India's total Export value basket as per DGCIS database.

Table – 1

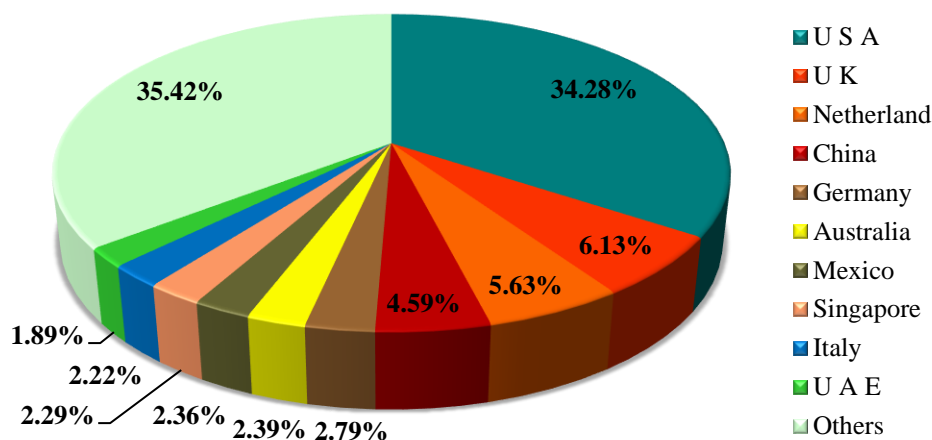
India's Top 10 destination of Electrical Transformers, Static Converters and Inductors (ITCHS Code 8504)

Rank	Countries	2021		2022		2023		2024	
		Value (million\$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)
1.	U S A	765.22	35.64	913.62	34.20	845.90	29.65	1036.81	34.28
2.	U K	60.78	2.83	97.81	3.66	164.60	5.77	185.44	6.13
3.	Netherlands	143.66	6.69	252.90	9.47	274.96	9.64	170.32	5.63
4.	China	166.29	7.74	215.14	8.05	169.40	5.94	138.67	4.59
5.	Germany	44.49	2.07	64.80	2.43	93.69	3.28	84.47	2.79
6.	Australia	34.19	1.59	35.31	1.32	45.08	1.58	72.26	2.39
7.	Mexico	11.45	0.53	29.80	1.12	66.91	2.35	71.50	2.36
8.	Singapore	30.93	1.44	31.19	1.17	44.62	1.56	69.23	2.29
9.	Italy	44.92	2.09	96.01	3.59	45.87	1.61	67.28	2.22
10.	U A E	38.25	1.78	45.42	1.70	68.34	2.40	57.19	1.89
	Others	807.13	37.59	889.18	33.29	1033.82	36.23	1071.19	35.42
	Total	2147.30	100	2671.20	100	2853.19	100	3024.36	100

Source: DGCIS, Ministry of Commerce & Industry

Note: India's Export includes re-export also

India's top 10 destinations of Electrical Transformers, Static Converters and Inductors by percentage share in 2024



The total value of exports of Electrical Transformers, Static Converters and Inductors from India amounted to USD 3024.36 million in 2024, increased by 6% compared to 2023 figures of USD 2853.19 million. For the period under review, exports in this segment were at USD 2147.30 million in 2021 and increased till 2024. USA (USD 1036.81 million) held the top slot as an export destination in this segment from India with 34.28% share of India's total exports in 2024 followed distantly by UK (USD 185.44 million) and Netherlands (USD 170.32 million) to where India exported around 6.13% and 5.63% share of total Electrical Transformers, Static Converters and Inductors respectively in 2024.

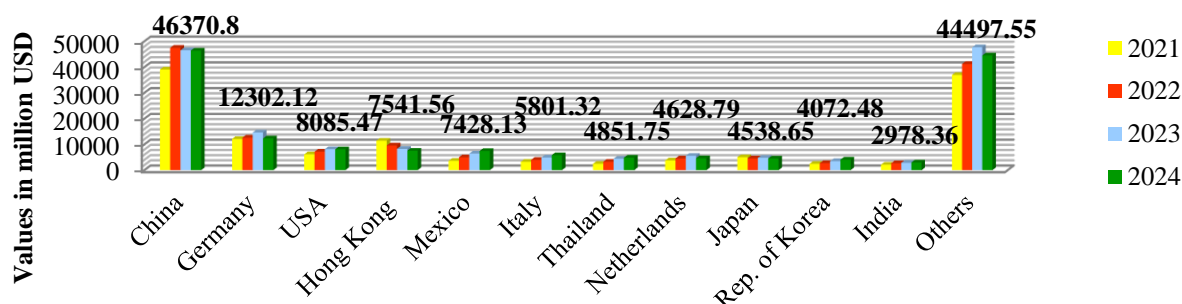
Table – 2

World's Top 10 exporters of Electrical Transformers, Static Converters and Inductors (ITCHS Code 8504)

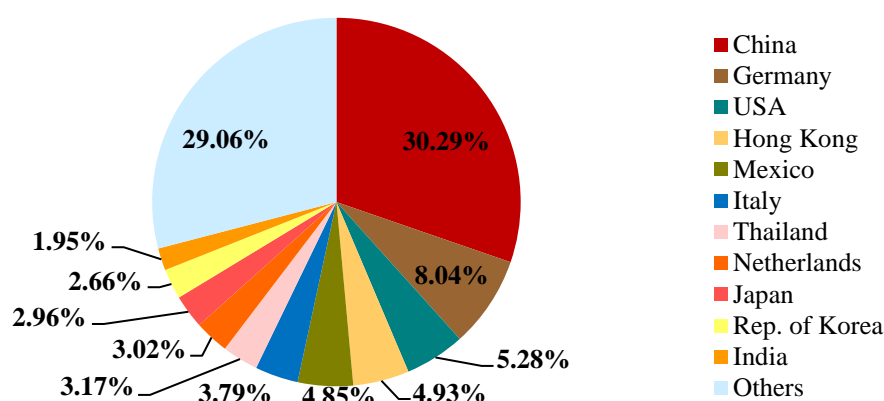
Rank	Countries	2021		2022		2023		2024	
		Value (million \$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)
1.	China	39057.54	30.42	47478.84	32.79	46496.59	29.48	46370.80	30.29
2.	Germany	12088.96	9.41	12618.29	8.71	14619.94	9.27	12302.12	8.04
3.	USA	6164.57	4.80	7180.96	4.96	8142.33	5.16	8085.47	5.28
4.	Hong Kong	11428.08	8.90	9569.54	6.61	8255.92	5.23	7541.56	4.93
5.	Mexico	3612.10	2.81	4976.51	3.44	6453.03	4.09	7428.13	4.85
6.	Italy	3246.20	2.53	3989.06	2.75	4905.07	3.11	5801.32	3.79
7.	Thailand	2468.17	1.92	3258.04	2.25	4424.76	2.81	4851.75	3.17
8.	Netherlands	3776.21	2.94	4541.73	3.14	5569.70	3.53	4628.79	3.02
9.	Japan	5031.40	3.92	4585.27	3.17	4806.97	3.05	4538.65	2.96
10.	Rep. of Korea	2461.81	1.92	2750.49	1.90	3516.72	2.23	4072.48	2.66
12.	India	2141.83	1.67	2679.71	1.85	2852.30	1.81	2978.36	1.95
	Others	36935.03	28.76	41183.64	28.44	47668.94	30.23	44497.55	29.06
	Total	128411.89	100	144812.10	100	157712.28	100	153096.97	100

Source: UN Comtrade

Top 10 exporters of Electrical Transformers, Static Converters and Inductors from 2021 to 2024 (Data labels signified only for 2024)



World's 10 leading exporters of Electrical Transformers, Static Converters and Inductors(percentage share in 2024):



The global export of Electrical Transformers, Static Converters and Inductors reached USD153096.97million in 2024, decreased by 2.92% over the previous year. The lead exporter in this segment has consistently been China (exporting goods worth a total of USD46370.80million) with a share of 30.29% globally in 2024. Germany (USD12302.12 million) and USA (USD8085.47 million) stood at 2nd and 3rd slot in the world with 8.04% and 5.28% share of world exports in this segment in 2024. **India** (exporting goods worth a total of USD2978.36 million in this category) with 1.95% share, stood at 12th slot in 2024 of world export in this segment. Over the years as observable from 2021 to 2024 in above table global export value in this segment increased till 2023 then decreased in 2024.

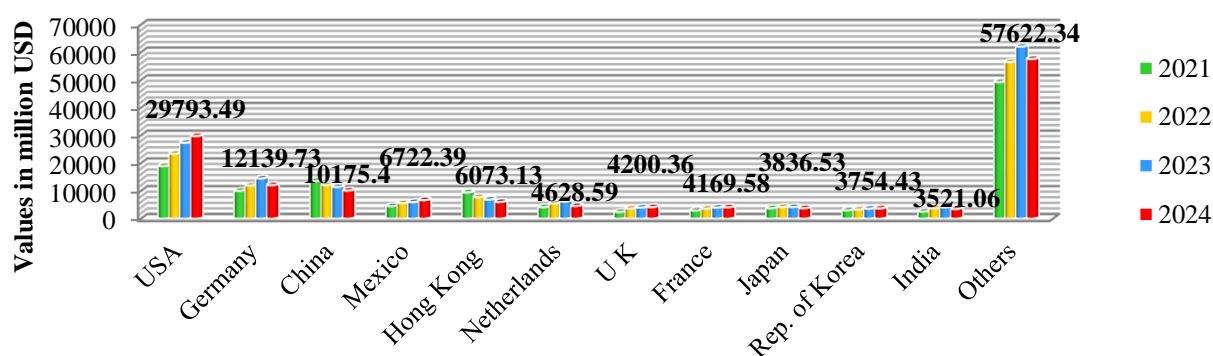
Table – 3

World's top 10 Importers of Electrical Transformers, Static Converters and Inductors (ITCHS Code 8504)

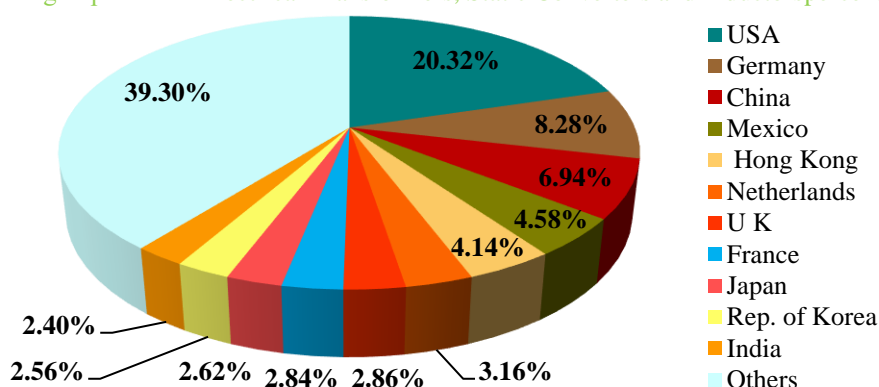
Rank	Countries	2021		2022		2023		2024	
		Value (million \$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)
1.	USA	18972.20	15.16	23428.79	16.53	27362.75	17.67	29793.49	20.32
2.	Germany	10062.37	8.04	11988.26	8.46	14560.38	9.40	12139.73	8.28
3.	China	13619.78	10.88	12168.65	8.59	11425.34	7.38	10175.40	6.94
4.	Mexico	4573.65	3.65	5636.13	3.98	6020.43	3.89	6722.39	4.58
5.	Hong Kong	9489.67	7.58	7777.62	5.49	6912.05	4.46	6073.13	4.14
6.	Netherlands	4221.04	3.37	5461.56	3.85	6227.39	4.02	4628.59	3.16
7.	U K	2479.21	1.98	3685.56	2.60	4064.28	2.62	4200.36	2.86
8.	France	2990.25	2.39	3650.89	2.58	4056.45	2.62	4169.58	2.84
9.	Japan	3811.38	3.04	4282.54	3.02	4245.70	2.74	3836.53	2.62
10.	Rep. of Korea	3074.03	2.46	3341.10	2.36	3660.26	2.36	3754.43	2.56
12.	India	2599.44	2.08	3797.59	2.68	4174.33	2.70	3521.06	2.40
	Others	49280.94	39.37	56498.10	39.87	62131.25	40.13	57622.34	39.30
	Total	125173.95	100	141716.80	100	154840.61	100	146637.03	100

Source : UN Comtrade

Top 10 importers of Electrical Transformers, Static Converters and Inductors from 2021 to 2024 Data labels signified for 2024



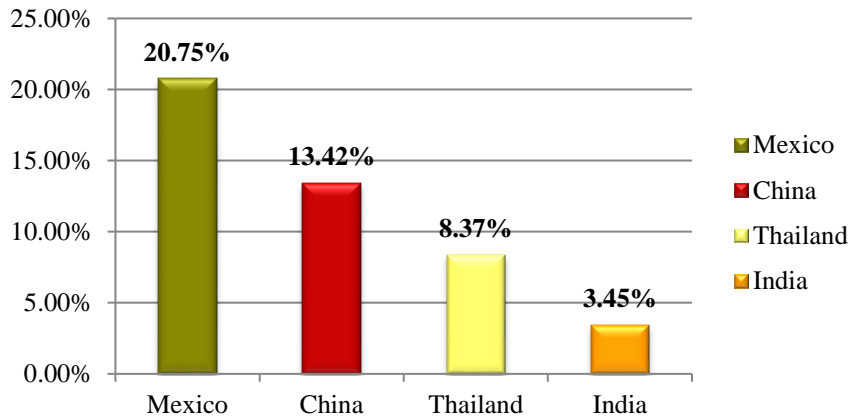
World's 10 leading importers of Electrical Transformers, Static Converters and Inductors percentage share in 2024



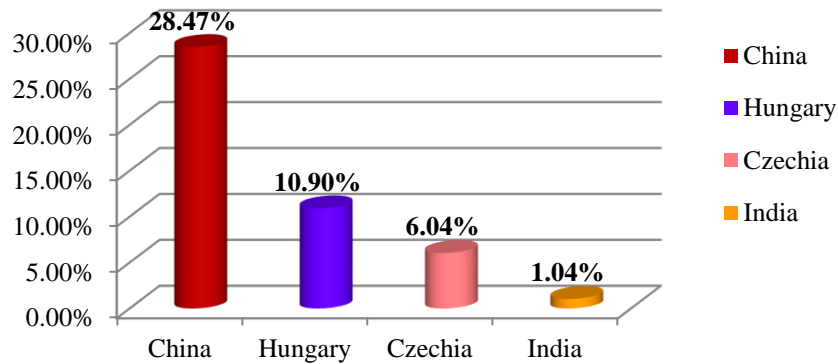
Worldwide Imports of Electrical Transformers, Static Converters and Inductors was USD146637.03 million in 2024, decreased by 5.30% from 2023 levels. The lead importers in this segment in 2024 were USA (20.32%), Germany (8.28%) and China (6.94%). **India** with 2.40% share in this category, stood at 12th position globally. Global imports in this segment declined in 2024 compared to the year 2023 and steadily increased from 2021 till 2023. India was the 12th largest exporter as well as the 12th largest importer of this product in 2024 and eight-digit item wise analysis may provide us insightful facts subsequently.

As per UN Comtrade database the top 3 importers of Electrical Transformers, Static Converters and Inductors were **USA, Germany and China**. These three countries USA, Germany and China imported 3.45%, 1.04% and 1.38% share of their total import of this commodity from India in 2024 which are presented below :

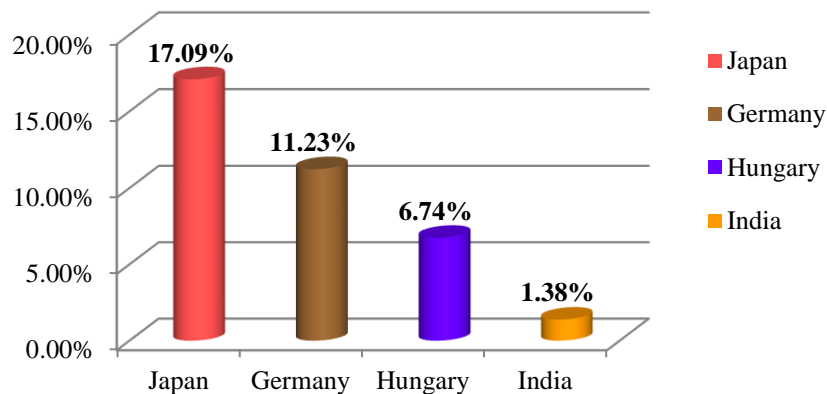
- (i) Top 3 supplier nations of Electrical Transformers, Static Converters and Inductorsto USA in 2024
(percentage share)



- (ii) Top 3 supplier nations of Electrical Transformers, Static Converters and Inductorsto Germany in 2024(percentage share)



- (iii) Top 3 supplier nations of Electrical Transformers, Static Converters and Inductorsto Chinain 2024
(percentage share)



IMPORT

Natural Calcium Phosphates, Natural Aluminium Calcium Phosphates and Phosphatic Chalk as ITCHS Code – 2510 falls under Chapter -25 (Salt; sulphur; earths and stone; plastering materials, lime and cement) of Section-V (Mineral Products) of ITCHS Classification.

India is engaged in the process of importing this commodity and in 2024 this commodity group had share of 0.25% in India's total Import value basket as per DGCI&S database.

Table – 4

India's Top 10 Source Natural Calcium Phosphates, Natural Aluminium Calcium Phosphates and Phosphatic Chalk (HS Code-2510)

Rank	Countries	2021		2022		2023		2024	
		Value (million\$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)
1.	Jordan	472.06	39.43	801.41	42.91	578.65	35.20	753.33	41.43
2.	Morocco	347.95	29.06	333.99	17.88	298.00	18.13	316.38	17.40
3.	Togo	118.39	9.89	230.73	12.35	241.40	14.68	288.53	15.87
4.	Egypt	123.01	10.27	179.20	9.60	176.52	10.74	186.28	10.25
5.	Algeria	57.98	4.84	108.26	5.80	107.85	6.56	101.71	5.59
6.	Lebanon	0.00	0.00	26.91	1.44	99.13	6.03	67.17	3.69
7.	U A E	32.42	2.71	64.78	3.47	87.99	5.35	46.65	2.57
8.	Senegal	7.65	0.64	29.01	1.55	34.86	2.12	23.89	1.31
9.	Cyprus	7.04	0.59	5.64	0.30	0.00	0.00	15.70	0.86
10.	Australia	0.00	0.00	0.00	0.00	0.00	0.00	5.91	0.32
	Others	30.73	2.57	87.69	4.70	19.68	1.20	12.68	0.70
	Total	1197.23	100	1867.63	100	1644.08	100	1818.24	100

Source: DGCI&S, Ministry of Commerce & Industry

Note: India's Import includes re-import also

In 2024 India imported a total of USD 1818.24million worth of Natural Calcium Phosphates, Natural Aluminium Calcium Phosphates and Phosphatic Chalk increased by 10.59% compared to the year 2023. As per available data Jordan was India's top importing partner in this segment with a share of 41.43%, followed distantly by Morocco and next by Togo with shares of 17.40% and 15.87% respectively. India's import value in this segment had a huge jump in 2022 over 2021 levels, then decreased in 2023 and again increased in 2024.

Table – 5

World's Top 10 Importers of Natural Calcium Phosphates, Natural Aluminium Calcium Phosphates and Phosphatic Chalk (HS Code – 2510)

Rank	Countries	2021		2022		2023		2024	
		Value (million\$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)
1.	India	1199.50	35.32	1871.15	38.52	1643.08	39.35	1791.24	40.29
2.	USA	210.30	6.19	341.17	7.02	383.50	9.19	438.37	9.86
3.	Belgium	150.58	4.43	255.96	5.27	213.93	5.12	209.12	4.70
4.	China	6.57	0.19	5.75	0.12	147.74	3.54	202.75	4.56
5.	Indonesia	227.71	6.70	284.77	5.86	185.66	4.45	199.32	4.48
6.	Brazil	191.97	5.65	340.76	7.02	259.75	6.22	182.16	4.10
7.	Pakistan	111.40	3.28	98.45	2.03	147.49	3.53	150.88	3.39
8.	Lithuania	196.68	5.79	92.49	1.90	31.65	0.76	150.16	3.38
9.	Netherlands	33.83	1.00	105.18	2.17	141.09	3.38	139.42	3.14
10.	Rep. of Korea	72.89	2.15	117.63	2.42	100.78	2.41	103.99	2.34
	Others	994.75	29.29	1344.06	27.67	920.51	22.05	878.35	19.76
	Total	3396.20	100	4857.38	100	4175.17	100	4445.75	100

Source: UNComtrade

Worldwide import of Natural Calcium Phosphates, Natural Aluminium Calcium Phosphates and Phosphatic Chalk totalled to USD 4445.75 million in 2024, increased by 6.48% over 2023 levels. **India** imported USD 1791.24million worth of the commodity in 2024, making it the leading importer of the commodity group worldwide with 40.29% share of world imports. USA (9.86%) and Belgium (4.70%) lined up in second and third place in 2024. Global import value of goods in this segment increased in 2022 from 2021 level and then decreased in 2023 and in 2024 it increased again.
