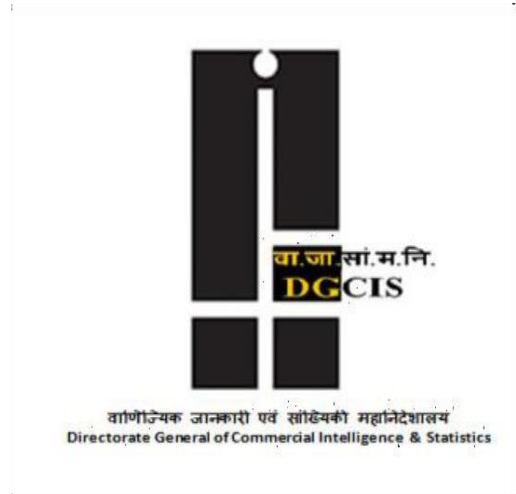




Indian Trade Journal - Commodity Profile Report

**Commodity Exim Report for 4th week of July, 2026 dated
22nd July, 2026**

Export

**ITCHS 8431 – Parts of Heavy Engineering Machines
under Heading 8425 to 8430**

Import

**ITCHS 8483 – Transmission Shafts and Cranks;
Bearings; Gears and Gearing; Ball or
Roller Screws; Gear Boxes and
Pulleys, Clutches and Shaft
Couplings**

Commodity EXIM Report

DGCI & S, I T J Division

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-COMTRDADE 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(Calendar Year) and on the DGCI&S Database up to May, 2026. 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 [4th weekly Commodity Exim Report of July ,2026 dated 22nd July, 2026] the following two commodities have been dealt with.

Export : Parts of Heavy Engineering Machines under Heading 8425 to 8430. [ITCHS Code – 8431] -In the year 2024 this commodity group has 0.26% share in India's total Export value basket as per DGCI&S data base. India had occupied the 15th slot in export of this commodity (exported 1382.13 million USD) with 2.08% share of total global exports in the year 2024.

Import : Transmission Shafts and Cranks; Bearings; Gears and Gearing; Ball or Roller Screws; Gear Boxes and Pulleys, Clutches and Shaft Couplings [ITCHS Code – 8483] –In the year 2024 this commodity group had share of 0.26% in India's total Import value basket as per DGCI&S data base. India having 2.81% share of total global imports of this commodity (1938.22 million USD) occupied the 11th slot in the world in 2024.

EXPORT

Parts of Heavy Engineering Machines under Heading 8425 to 8430 classified as H.S. Code – 8431 falls under Chapter -84 ((Nuclear reactors, boilers, machinery and mechanical appliances; parts thereof) of Section – XVI (Machinery and Mechanical Appliances; Electrical equipment; Parts thereof; Sound Recorders and Reproducers, Television Image and Parts and Accessories of such Articles) of ITCHS classification.

India is engaged in the process of exporting this commodity and in 2024 this commodity group had share of 0.26% in India's total Export value basket as per DGCI & S data base.

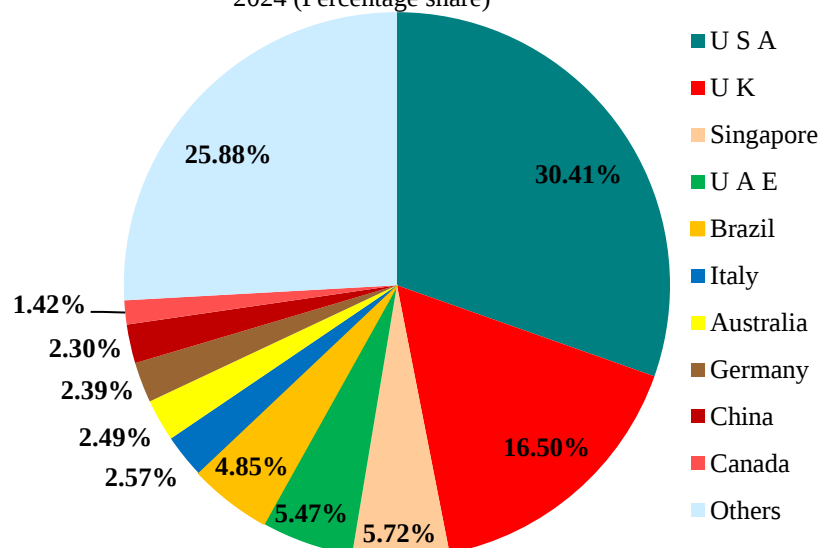
Table – 1
India's Top 10 destinations for Parts of Heavy Engineering Machines under Heading 8425 to 8430 (H.S Code- 8431)

Rank	Countries	2021		2022		2023		2024	
		Value (million\$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)
1.	U S A	289.67	29.95	405.16	33.95	453.70	34.91	427.74	30.41
2.	U K	166.81	17.25	192.84	16.16	212.10	16.32	232.12	16.50
3.	Singapore	45.86	4.74	54.30	4.55	53.21	4.09	80.48	5.72
4.	U A E	30.90	3.20	35.94	3.01	52.75	4.06	76.94	5.47
5.	Brazil	33.98	3.51	46.26	3.88	40.88	3.15	68.25	4.85
6.	Italy	26.52	2.74	30.49	2.56	43.48	3.35	36.10	2.57
7.	Australia	25.85	2.67	27.43	2.30	31.21	2.40	35.07	2.49
8.	Germany	29.61	3.06	36.63	3.07	38.11	2.93	33.58	2.39
9.	China	11.82	1.22	14.10	1.18	22.49	1.73	32.39	2.30
10.	Canada	8.42	0.87	17.66	1.48	17.46	1.34	20.02	1.42
	Others	297.76	30.79	332.63	27.87	334.13	25.71	364.01	25.88
	Total	967.20	100	1193.44	100	1299.51	100	1406.71	100

Source: DGCI&S, Ministry of Commerce & Industry

Note: India's Export includes re-export also

India's top 10 destinations of Parts of Heavy Engineering Machines under Heading 8425 to 8430 Exports in 2024 (Percentage share)



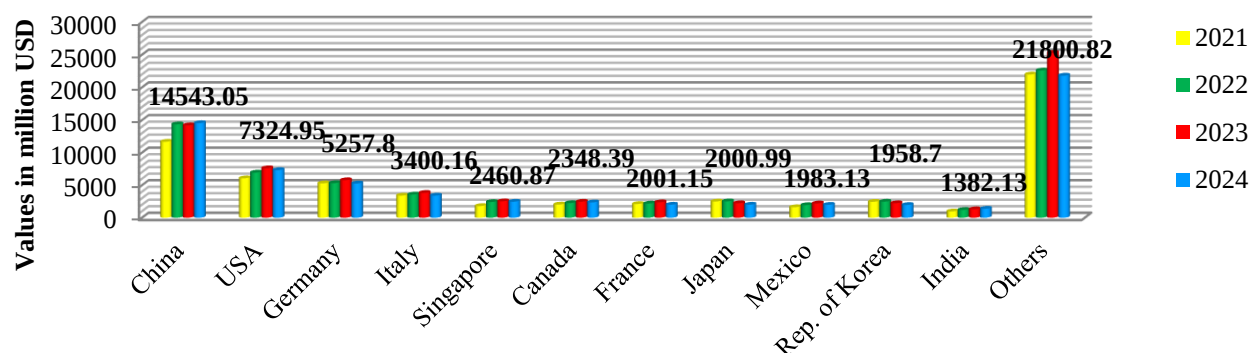
In the year 2024 India had exported Parts of Heavy Engineering Machines under Heading 8425 to 8430 worth of US\$ 1406.71 million and registered an increase of 8.25% compared to the year 2023 figures of 1299.51 million. USA (Importing US\$ 427.74 million worth of goods in this segment from India) has held the top slot as an export destination in this segment with 30.41% share of India's total export of Parts of Heavy Engineering Machines under Heading 8425 to 8430 for the year 2024 followed by UK (US\$ 232.12 million) and Singapore (US\$ 80.48 million) to where India exported 16.50% and 5.72% share of total Parts of Heavy Engineering Machines under Heading 8425 to 8430 respectively in 2024. Over the period under review India's exports in this segment has a continuous rising trends till 2024.

Table-2
World's Top 10 Exporters of Parts of Heavy Engineering Machines under Heading 8425 to 8430 (H.S Code-8431)

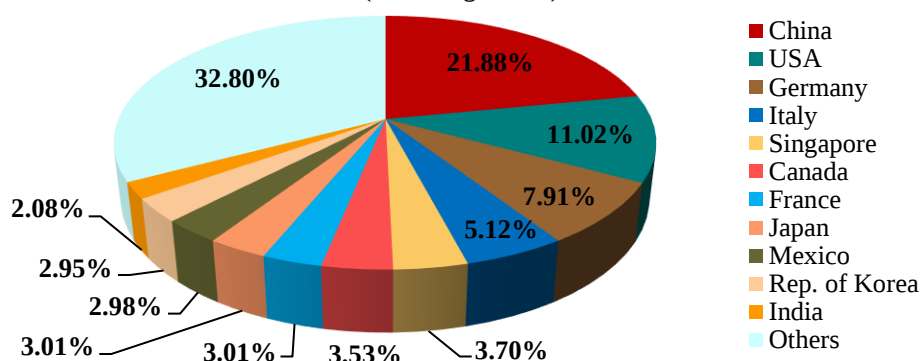
Rank	Countries	2021		2022		2023		2024	
		Value (million \$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)
1.	China	11677.19	18.88	14352.62	21.20	14194.99	19.73	14543.05	21.88
2.	USA	6060.62	9.80	6933.82	10.24	7607.79	10.57	7324.95	11.02
3.	Germany	5288.24	8.55	5313.69	7.85	5769.20	8.02	5257.80	7.91
4.	Italy	3398.88	5.50	3565.40	5.27	3823.65	5.31	3400.16	5.12
5.	Singapore	1794.67	2.90	2411.94	3.56	2522.18	3.50	2460.87	3.70
6.	Canada	2023.71	3.27	2243.06	3.31	2456.76	3.41	2348.39	3.53
7.	France	2107.67	3.41	2176.27	3.21	2373.05	3.30	2001.15	3.01
8.	Japan	2486.56	4.02	2514.43	3.71	2222.76	3.09	2000.99	3.01
9.	Mexico	1618.57	2.62	1936.12	2.86	2193.08	3.05	1983.13	2.98
10.	Rep. of Korea	2442.03	3.95	2466.78	3.64	2227.68	3.10	1958.70	2.95
15.	India	966.64	1.56	1195.66	1.77	1299.53	1.81	1382.13	2.08
	Others	21975.95	35.54	22584.69	33.36	25269.75	35.12	21800.82	32.80
	Total	61840.72	100	67694.48	100	71960.43	100	66462.14	100

Source: UN Comtrade

Top 10 Exporters of Parts of Heavy Engineering Machines under Heading 8425 to 8430 globally from 2021 to 2024 (Data labels signified for 2024)



World's 10 leading exporters of Parts of Heavy Engineering Machines under Heading 8425 to 8430 in 2024 (Percentage share)



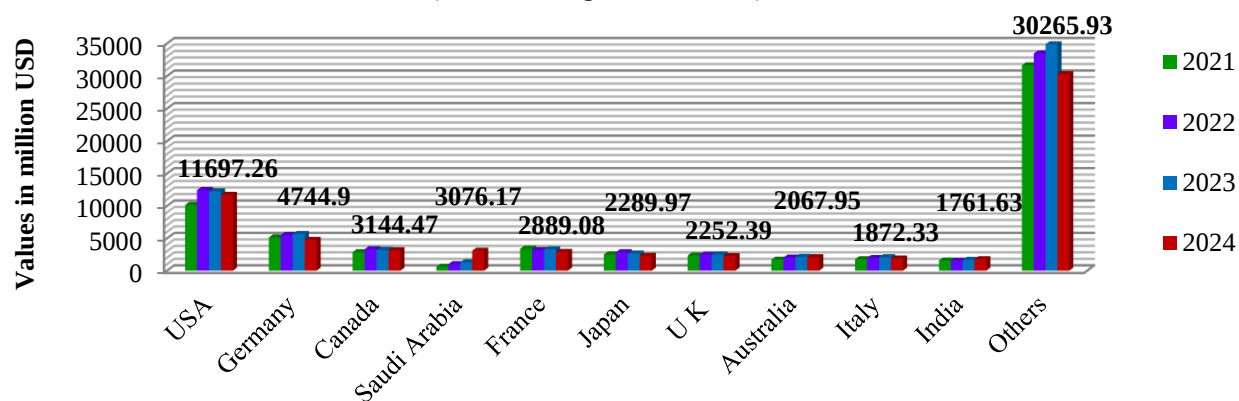
The global export of Parts of Heavy Engineering Machines under Heading 8425 to 8430 exports worldwide was US\$ 66462.14 million in 2024 a declining by 7.64% from 2023 levels. **India** (exporting goods worth a total of US\$ 1382.13 million in this category) with a show of 2.08% share, stood at 15th slot in 2023 of world export of Parts of Heavy Engineering Machines under Heading 8425 to 8430 globally. The lead exporter in this segment has been China (exporting goods worth a total of US\$ 14543.05 million), USA (US\$ 7324.95 million) and Germany (US\$ 5257.80 million) with a show of 21.88%, 11.02% and 7.91% share respectively in 2024. Over the period under review global exports in this segment has a continuous upward trends till 2023 and downward in 2024.

Table-3
World's top 10 Importers of Parts of Heavy Engineering Machines under Heading 8425 to 8430 (H.S Code-8431)

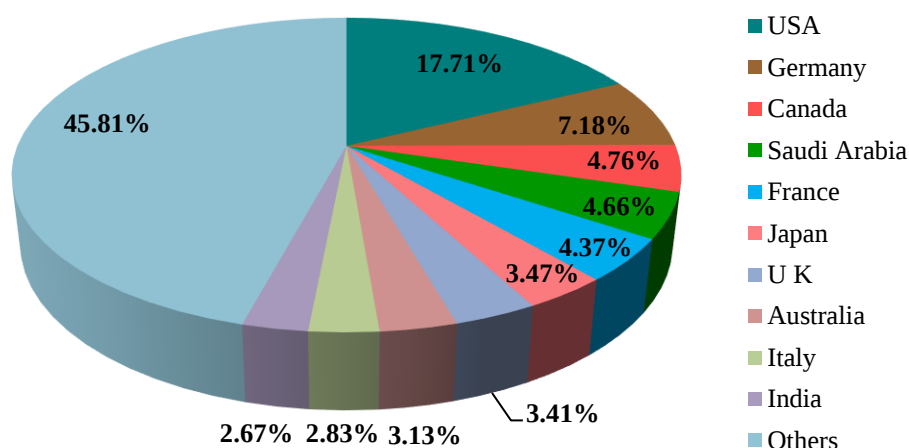
Rank	Countries	2021		2022		2023		2024	
		Value (million \$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)
1.	USA	10133.24	15.95	12447.88	17.87	12254.87	17.13	11697.26	17.71
2.	Germany	5129.85	8.08	5518.97	7.92	5656.92	7.91	4744.90	7.18
3.	Canada	2848.45	4.48	3309.77	4.75	3213.00	4.49	3144.47	4.76
4.	Saudi Arabia	588.86	0.93	1002.05	1.44	1297.68	1.81	3076.17	4.66
5.	France	3377.74	5.32	3184.47	4.57	3284.41	4.59	2889.08	4.37
6.	Japan	2503.81	3.94	2839.62	4.08	2646.44	3.70	2289.97	3.47
7.	U K	2335.50	3.68	2449.60	3.52	2487.83	3.48	2252.39	3.41
8.	Australia	1688.11	2.66	2022.69	2.90	2112.58	2.95	2067.95	3.13
9.	Italy	1749.62	2.75	1940.63	2.79	2062.26	2.88	1872.33	2.83
10.	India	1555.90	2.45	1529.50	2.20	1655.79	2.31	1761.63	2.67
	Others	31614.90	49.77	33426.80	47.98	34858.47	48.73	30265.93	45.81
	Total	63525.98	100	69671.98	100	71530.27	100	66062.08	100

Source : UN Comtrade

Leading Importers of Parts of Heavy Engineering Machines under Heading 8425 to 8430 globally from 2021 to 2024 (Data labels signified for 2024)



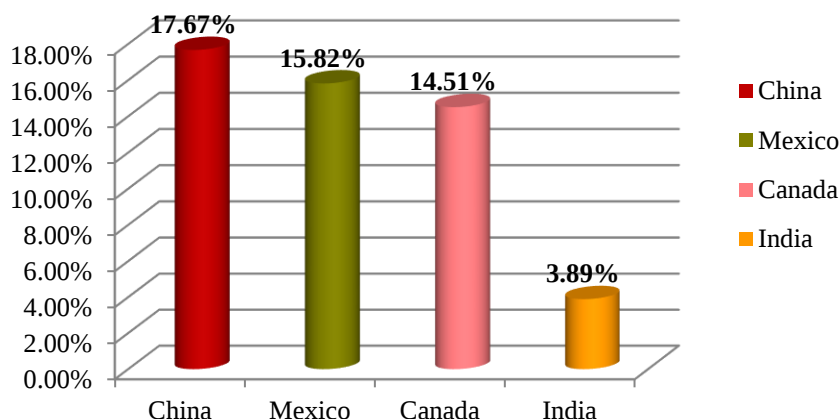
World's top 10 leading importers of Parts of Heavy Engineering Machines under Heading 8425 to 8430 by percentage share in 2024



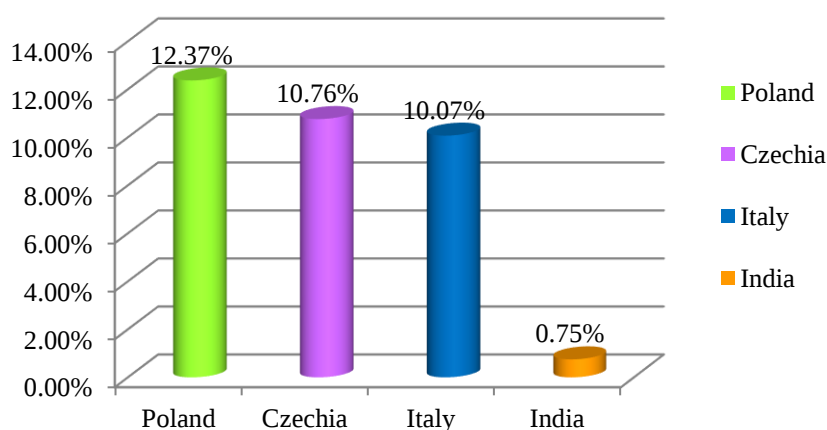
The Parts of Heavy Engineering Machines under Heading 8425 to 8430 imports worldwide was US\$ 66062.08 million in 2024, a major decreasing by 7.64% from 2024 level of US\$ 71530.27 million. The lead importer globally in this segment in 2024 had been USA (17.71%) followed by Germany (7.18%), and Canada (4.76%). **India** (importing goods worth a total of US\$ 1761.63 million in this category) with a show of 2.67% share, stood at 10th position in 2023. Over the period under review, global import value was at US\$ 63525.98 million in this segment in 2020 and continue rising from 2020 to 2023 and dip in 2024.

As per UN Comtrade data base the top 3 importers of Parts of Heavy Engineering Machines under Heading 8425 to 8430 were **USA, Germany, and Canada**. USA, Germany and France had imported 3.89%, 0.75% and 1.29% share of their total imports of Parts of Heavy Engineering Machines under Heading 8425 to 8430 from India in 2024 which are presented below :

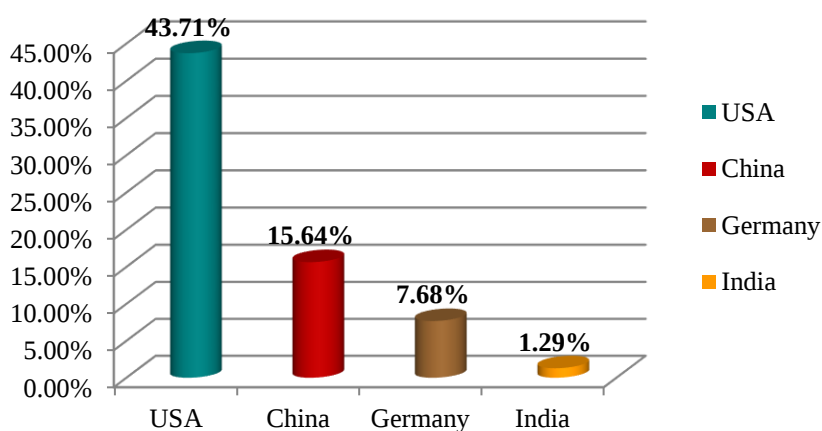
- (i) Top 3 supplier nations of Parts of Heavy Engineering Machines under Heading 8425 to 8430 to USA in 2024 (percentage share)



- (ii) Top 3 supplier nations of Parts of Heavy Engineering Machines under Heading 8425 to 8430 to Germany in 2024 (percentage share)



- (iii) Top 3 supplier nations of Parts of Heavy Engineering Machines under Heading 8425 to 8430 to Canada in 2024 (percentage share)



IMPORT

Transmission Shafts and Cranks; Bearings; Gears and Gearing; Ball or Roller Screws; Gear Boxes and Pulleys, Clutches and Shaft Couplings Classified as ITCHS Code 8483 falls under Chapter- 84 ((Nuclear reactors, boilers, machinery and mechanical appliances; parts thereof) of Section – XVI (Machinery and Mechanical Appliances; Electrical equipment; Parts thereof; Sound Recorders and Reproducers, Television Image and Parts and Accessories of such Articles) of ITCHS classification. India is engaged in the process of importing this commodity and in the year 2024 this commodity group had share of 0.26% in India's total import value basket.

Table - 4

India's Top 10 sources of Transmission Shafts and Cranks; Bearings; Gears and Gearing; Ball or Roller Screws; Gear Boxes and Pulleys, Clutches and Shaft Couplings (HS Code : 8483)

Rank	Countries	2021		2022		2023		2024	
		Value (million \$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)
1.	China	503.87	34.45	713.20	41.78	725.17	40.37	927.50	46.91
2.	Germany	244.14	16.69	244.64	14.33	294.94	16.42	264.18	13.36
3.	U S A	85.99	5.88	110.79	6.49	127.82	7.12	111.06	5.62
4.	Italy	93.56	6.40	92.96	5.45	107.17	5.97	96.54	4.88
5.	Japan	102.06	6.98	96.28	5.64	87.48	4.87	79.81	4.04
6.	Korea RP	69.55	4.76	65.09	3.81	72.57	4.04	73.31	3.71
7.	Belgium	29.08	1.99	74.76	4.38	59.35	3.30	62.33	3.15
8.	Singapore	39.89	2.73	38.23	2.24	35.80	1.99	41.11	2.08
9.	Netherland	81.53	5.57	38.29	2.24	29.30	1.63	39.38	1.99
10.	Thailand	22.58	1.54	18.61	1.09	25.67	1.43	34.62	1.75
	Others	190.40	13.02	214.10	12.54	231.06	12.86	247.46	12.51
	Total	1462.64	100	1706.94	100	1796.32	100	1977.29	100

Source: DGCI&S, Ministry of Commerce & Industry

Note: India's Import includes re-import also

The total amount of India's import of **Transmission Shafts and Cranks; Bearings; Gears and Gearing; Ball or Roller Screws; Gear Boxes and Pulleys, Clutches and Shaft Couplings** in the year 2024 stood as US\$ 1977.29 million registering an increase by 10.07% compare to the year 2023 figures of US\$ 1796.32 million. In 2024 China stood out as the top importing partner in this segment from where India has imported 46.91% share of its total import of Transmission Shafts and Cranks; Bearings; Gears and Gearing; Ball or Roller Screws; Gear Boxes and Pulleys, Clutches and Shaft Couplings, followed by Germany (13.36%) and UAE (5.62%). Over the period under review India's imports in this segment has steadily been rise till 2024 with a major leap in 2022

Table – 5
World's Top 10 Importers of Transmission Shafts and Cranks; Bearings; Gears and Gearing; Ball or Roller Screws; Gear Boxes and Pulleys, Clutches and Shaft Couplings (HS Code : 8483)

Rank	Countries	2021		2022		2023		2024	
		Value (million\$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)	Value (million\$)	Share (%)
1.	USA	10041.52	15.44	11012.19	16.30	10917.85	15.42	11301.35	16.37
2.	Germany	5985.28	9.20	6350.95	9.40	6810.49	9.62	6093.35	8.83
3.	China	6483.00	9.97	5848.32	8.66	5307.91	7.50	5207.09	7.54
4.	Mexico	3471.18	5.34	3772.96	5.58	3934.19	5.56	4003.65	5.80
5.	Canada	2718.61	4.18	3279.40	4.85	3439.70	4.86	3434.01	4.97
6.	U K	1630.99	2.51	1991.67	2.95	2355.78	3.33	2415.57	3.50
7.	France	1972.37	3.03	2131.73	3.16	2308.32	3.26	2336.67	3.39
8.	Poland	1648.32	2.53	1781.25	2.64	2185.58	3.09	2263.02	3.28
9.	Brazil	2207.97	3.40	2475.80	3.66	2300.57	3.25	2219.54	3.22
10.	Italy	2053.92	3.16	2198.35	3.25	2198.00	3.10	2097.79	3.04
11.	India	1462.64	2.25	1713.26	2.54	1796.81	2.54	1938.22	2.81
	Others	25357.10	38.99	25007.84	37.01	27234.46	38.47	25717.14	37.26
	Total	65032.9	100	67563.71	100	70789.65	100	69027.39	100

Source :UNComtrade

In the year 2024, the total global imports of Transmission Shafts and Cranks; Bearings; Gears and Gearing; Ball or Roller Screws; Gear Boxes and Pulleys, Clutches and Shaft Couplings amounted to US \$ 69027.39 million, decreasing by more than 2.49% vis-à-vis the previous year's figure. The lead Importer in this segment has consistently been USA (importing goods worth a total of US\$ 11301.35 million) with 16.37% share of world import in 2024 followed by Germany (US\$ 6093.35 million) with 8.83% and China (US\$ 5207.09 million) with 7.54% share of world import respectively in 2024 as per UN Comtrade Statistics.

India (importing goods worth a total of US\$ 1938.22 million in this category) with a share of 2.81%, stood at 11th position,
