



## Electric Power Machinery Market in Africa

### Business Climate

South African imports in the engineering sector are mainly dominated by China and Germany. Chinese merchandise are found to be very very cost competitive and as such alluring the businessmen here.

Despite above, Indian engineering goods are finding their way in the South African market. Indian engineering exports to South Africa are showing a positive growth during last four years.

In order to participate in Government procurement system, it is necessary that foreign companies should have a local company as partner and that too conforming to "Black Economic Empowerment" scheme of the Government. It is, therefore, preferable to have local agents who can bid on behalf of Indian company so that participation in Government procurement is increased, which is negligible at the moment.

### Engineering Exports

Export of engineering goods to South Africa during last four years are given in the table below :

Year	Value in Million US\$	Growth %
2001-02	76.28	12.42%
2002-03	81.89	7.35%
2003-04	135.92	65.98%
2004-05	254.83	87.48%

From the table above, it will be observed that while engineering exports to South Africa are showing a positive growth during last

four years, the growth has been staggering 66% and 87% during last two years. This shows that the Indian engineering goods are regularly finding a favourable place in South African market and it calls for more concerted and focused approach to take full advantage of this situation.

### Electric Power Machinery Import

A table giving import of Electric Power Machinery by major African Countries at three digit SITC Code level as published by World Bank is enclosed as *Annexure – "A"*

### South African Import of Electric Power Machinery (Chapter 85)

Import by South Africa of "Electric Power Machinery falling under Chapter 85" is enclosed as *Annexure – "B"*. Potential items at 6-digit level for export to South Africa from Chapter 85 falling under Electric Power Machinery have been identified.

Statistical details at 6-digit level of total import of South Africa, Major suppliers at 4-digit level and India's position has been mentioned.

Export of subject items from India to South Africa at 6-digit HS-Code level has been given in a separate table.

"South African Electro-Technical Export Council" (SAEEC) is the major organization active in this sector. Major companies engaged in the business of Electric Power Equipment are members of this Council. A list of the members of the Council engaged in the subject sector is enclosed as "LIST-I".

Another List of Importers of Electric Power Machinery prepared by Territorial Office of the Council is also enclosed as "LIST-II".

*Annexure – "A"*

## Import of Electric Power Machinery & Equipment by Major African Countries

### Algeria

#### Related Exhibitions

#### Alger Energy (Once a year)

*International Energy, Mining, Petrochemical and Electrical Engineering Trade Fair of Algeria*

#### Algeria Electricity Expo (Periodicity is not known)

*Exhibition devoted to Algeria's Electricity Sector*

#### Import of Electric Power M/C & Equipment by Algeria

Product Group	Value 1999	Value 2000	Value 2001	Value 2002	Value 2003
	US\$ '000	US\$ '000	US\$ '000	US\$ '000	US\$ '000
771 - Electric Power Transmission Equipment	38,340	62,940	68,232	71,927	78,944
772 - Electric Circuit Equipment	168,750	141,799	190,222	195,506	272,901
773 - Electrical Distribution Equipment	49,931	54,780	106,317	125,438	123,789



EEPC INDIA

**Egypt****Related Exhibitions****Cairo Energy & Environment (Every two years)***Cairo International Conference on Energy & Environment***Import of Electric Power M/C & Equipment by Egypt**

<i>Product Group</i>	<i>Value 1999</i>	<i>Value 2000</i>	<i>Value 2001</i>	<i>Value 2002</i>	<i>Value 2003</i>
	US\$ '000	US\$ '000	US\$ '000	US\$ '000	US\$ '000
771 - Electric Power Transmission Equipment	63,830	45,951	48,501	43,970	29,529
772 - Electric Circuit Equipment	194,888	227,381	154,582	143,963	94,592
773 - Electrical Distribution Equipment	172,691	113,293	79,095	63,776	47,233

**Ethiopia****Import of Electric Power M/C & Equipment by Ethiopia**

<i>Product Group</i>	<i>Value 1999</i>	<i>Value 2000</i>	<i>Value 2001</i>	<i>Value 2002</i>	<i>Value 2003</i>
	US\$ '000	US\$ '000	US\$ '000	US\$ '000	US\$ '000
771 - Electric Power Transmission Equipment	5,353	5,420	8,791	5,617	15,884
772 - Electric Circuit Equipment	17,190	5,945	10,109	15,038	26,668
773 - Electrical Distribution Equipment	10,251	10,606	11,738	10,159	28,848

**Ghana****Import of Electric Power M/C & Equipment by Ghana**

<i>Product Group</i>	<i>Value 1999</i>	<i>Value 2000</i>	<i>Value 2001</i>	<i>Value 2002</i>	<i>Value 2003</i>
	US\$ '000	US\$ '000	US\$ '000	US\$ '000	US\$ '000
771 - Electric Power Transmission Equipment	17,766	16,013	11,337	9,294	-
772 - Electric Circuit Equipment	18,854	17,747	12,709	12,087	-
773 - Electrical Distribution Equipment	27,730	18,249	15,667	16,062	-

**Kenya****Import of Electric Power M/C & Equipment by Kenya**

<i>Product Group</i>	<i>Value 1999</i>	<i>Value 2000</i>	<i>Value 2001</i>	<i>Value 2002</i>	<i>Value 2003</i>
	US\$ '000	US\$ '000	US\$ '000	US\$ '000	US\$ '000
771 - Electric Power Transmission Equipment	20,017	123,242	59,111	153,353	59,519
772 - Electric Circuit Equipment	21,555	69,568	40,293	110,857	329,170
773 - Electrical Distribution Equipment	13,500	38,480	23,560	49,814	53,343

**Mauritius****Import of Electric Power M/C & Equipment by Mauritius**

<i>Product Group</i>	<i>Value 1999</i>	<i>Value 2000</i>	<i>Value 2001</i>	<i>Value 2002</i>	<i>Value 2003</i>
	US\$ '000	US\$ '000	US\$ '000	US\$ '000	US\$ '000
771 - Electric Power Transmission Equipment	6,854	6,088	4,055	5,107	4,471
772 - Electric Circuit Equipment	15,857	13,156	12,606	14,062	21,472
773 - Electrical Distribution Equipment	7,454	7,742	4,722	6,728	8,353

**Nigeria****Related Exhibitions****Powergen Electrotex, Lagos (Once a Year)***International Exhibition for the Power Generation, Transmission, Distribution, Alternative Energy and Electro-Technical Industries***Import of Electric Power M/C & Equipment by Nigeria**

<i>Product Group</i>	<i>Value 1999</i>	<i>Value 2000</i>	<i>Value 2001</i>	<i>Value 2002</i>	<i>Value 2003</i>
	US\$ '000	US\$ '000	US\$ '000	US\$ '000	US\$ '000
771 - Electric Power Transmission Equipment	20,017	123,242	59,111	153,353	59,519
772 - Electric Circuit Equipment	21,555	69,568	40,293	110,857	329,170
773 - Electrical Distribution Equipment	13,500	38,480	23,560	49,814	53,343

**Sudan****Import of Electric Power M/C & Equipment by Sudan**

<i>Product Group</i>	<i>Value 1999</i>	<i>Value 2000</i>	<i>Value 2001</i>	<i>Value 2002</i>	<i>Value 2003</i>
	US\$ '000	US\$ '000	US\$ '000	US\$ '000	US\$ '000
771 - Electric Power Transmission Equipment	2,165	2,638	5,187	19,179	-
772 - Electric Circuit Equipment	5,456	6,921	12,920	12,783	-
773 - Electrical Distribution Equipment	11,939	8,281	21,174	33,864	-

**Tanzania****Related Exhibitions****Electricity & Mining Africa (2007)***Electricity & Mining Exhibition and Seminars***Import of Electric Power M/C & Equipment by Tanzania**

<i>Product Group</i>	<i>Value 1999</i>	<i>Value 2000</i>	<i>Value 2001</i>	<i>Value 2002</i>	<i>Value 2003</i>
	US\$ '000	US\$ '000	US\$ '000	US\$ '000	US\$ '000
771 - Electric Power Transmission Equipment	12,777	4,008	4,716	4,728	4,391
772 - Electric Circuit Equipment	16,229	8,492	10,735	12,460	9,980
773 - Electrical Distribution Equipment	14,102	11,523	5,880	10,255	10,180

**Uganda****Import of Electric Power M/C & Equipment by Uganda**

<i>Product Group</i>	<i>Value 1999</i>	<i>Value 2000</i>	<i>Value 2001</i>	<i>Value 2002</i>	<i>Value 2003</i>
	US\$ '000	US\$ '000	US\$ '000	US\$ '000	US\$ '000
771 - Electric Power Transmission Equipment	5,010	5,400	5,896	3,697	4,127
772 - Electric Circuit Equipment	12,265	5,054	6,221	3,837	6,500
773 - Electrical Distribution Equipment	4,099	8,981	6,611	3,266	7,872



**Import by South Africa of Electric Power Machinery**

**Electric Power Sector of South Africa**

*(Value in Million US\$)*

<i>Description</i>	<i>2002</i>	<i>2003</i>	<i>2004 (estimated)</i>
Total Market Size	37.63	38.8	40
Total Local Production	22.5	23.28	24
Total Exports	4.5	4.6	4.8
Total Imports	15	15	18

Coal is South Africa’s dominant source of electricity generation (the country is the 5th largest producer of coal in the world with proven reserves of 49.5 billion tons), followed by nuclear, pumped storage, hydro gas turbines and bagasse. Eskom, South Africa’s national power utility, has a capacity of around 39,800 MW and provides 95 per cent of the country’s energy needs. Eskom owns 24 power stations, which are dotted around the South African landscape. The company and the Government have also embarked on an aggressive electrification campaign since 1994, and to date some 65 per cent of houses now have access to electricity.

Capacity is estimated to peak in 2007 and South Africa will require an additional 1,000 MW of new capacity annually due to its energy intensive industries (mining and manufacturing). In other words, the predicted 4-5% per annum increase in energy consumption will require that South Africa consider new plants and alternative energy sources in the short-to medium term. South African energy supply will also remain a key consideration throughout the SADC countries.

**Opportunities**

The energy and electricity sectors offer good business opportunities, particularly as Eskom plans to invest around \$ 385 million over the next three years in plant upgrades and new technologies, specifically for the Camden, Grootvlei, and Komati Power Stations (previously mothballed). Further, the South African government plans to deregulate the sector by breaking the Eskom monopoly into individual generation, distribution and transmission companies and to develop Independent Power Producers within the short-to medium term.

Most notably, the Department of Minerals and Energy (DME) is looking to introduce new power generation capacity as it is estimated that demand will exceed current capacity by 2008. The required power plant will be oil-fired open cycle gas turbines (CTGTs) operating as peaking plants (with the ability to convert to combined cycle plants at a later stage). Combined capacity will be for about 1000 MW and DME is expected to invite proposals for either one or two power stations to be built. Currently, DME is inviting Expressions of Interest from Independent Power Producers, lenders, turnkey contractors, operations and maintenance contractors, fuel suppliers and insurers.

**Exports from India**

Indian exports of electric power machinery and equipment during last three years was as follows :

<i>Year</i>	<i>Value in Million US\$</i>	<i>Growth %</i>
2001-02	3.00	
2002-03	1.99	(-) 33.67%
2003-04	6.53	228.14%

Indian exports showed an erratic behaviour during last three years. But a growth of more than 200 per cent during 2003-04 indicates that the Indian goods are slowly getting acceptance in the market and if a planned approach is made, this sector has the potential.

**Related Exhibitions**

Following are the important listed exhibitions held in South Africa relating to Electric Power Machinery.

**Electra Mining Africa (Every Two Years)**

*International Mining, Electrical Engineering and Industrial Exhibition*

**Elenex Africa (Every Three Years)**

*African International Electrical Engineering and Lighting and Power Generation Exhibition*



**Potential Items for Export to South Africa**

An analysis of total import of South Africa and trends of export from India for various items falling under “Electric Power Machinery” from chapter 85 indicates that the following items hold good prospects at 6-digit level :

<i>HS Code</i>	<i>Description</i>
850131	Electric Motors & Generators - other DC motors, DC generators of an output not exceeding 750 W
850132	Electric Motors & Generators - of an output exceeding 750 W but not exceeding 75 kW
850140	Electric Motors & Generators - other AC motors, single-phase
850212	Elect. Generating Sets of an output exceeding 75 kVA but not exceeding 375 kVA
850213	Elect. Generating Sets of an output exceeding 375 kVA
850300	Parts suitable for use solely or principally with the Machines of Heading No. 8501 or 8502
850422	Liquid Di-Electric Transformers - having a power handling capacity exceeding 650 kVA but not exceeding 10000 kVA
850431	Other Transformers - having a power handling capacity not exceeding 1 kVA
850490	Electrical Transformers, Static Converters (for example, Rectifiers) and Inductors; Parts
851140	Starter Motors and dual purpose Starter-Generator
853529	Electrical Apparatus for Switching or Protecting Electrical Circuits, or for making Connections etc. other
853610	Electrical Apparatus for Switching or Protecting Electrical Circuits, or for making Connections etc. Fuses
853649	Electrical Apparatus for Switching or Protecting Electrical Circuits, or for making Connections etc. other
853650	Electrical Apparatus for Switching or Protecting Electrical Circuits, or for making Connections etc. other Switches
853690	Electrical Apparatus for Switching or Protecting Electrical Circuits, or for making Connections etc. other apparatus

**Total Import of South Africa and Major Suppliers**

(Electric Power Machinery falling under Chapter 85)

(Source : DTI-South Africa)

**8501. Electrical Motors and Generators (excluding Generating Sets)**

<i>Country</i>	<i>Value in '000 Rand</i>				<i>Rank</i>	<i>% Share</i>	
	<i>2005 (Jan-Apr)</i>	<i>2004</i>	<i>2003</i>	<i>2002</i>		<i>2005</i>	<i>2004</i>
	<i>Value in '000 Rand</i>						
Germany	60,382	143,344	139,346	117,463	1	1	27.40%
Brazil	26,814	69,550	67,677	86,315	2	2	12.10%
China	25,967	52,683	47,864	32,731	3	5	11.80%
United States	19,688	58,844	50,537	93,598	4	4	8.90%
Italy	18,941	67,783	72,207	88,643	5	3	8.60%
India	4,286	17,894	3,912	2,859	11	9	1.90%

**Total Import of South Africa of items falling under 8501**

<i>HS Code</i>	<i>Description</i>	<i>Value in '000 Rand</i>			
		<i>2002</i>	<i>2003</i>	<i>2004</i>	<i>2005 (Jan-May)</i>
850110	Motors of an output not exceeding 37.5 W	108962	105634	120478	40130
850120	Universal AC/DC motors of an output exceeding 37.5 W	55049	28914	23654	7779
850131	Other DC motors, DC generators of an output not exceeding 750 W	71111	74932	64775	34718
850132	Of an output exceeding 750 W but not exceeding 75 kW	31453	33709	44502	16814
850133	Of an output exceeding 75 kW but not exceeding 375 kW	7680	2921	9270	5890
850134	Of an output exceeding 375 kW	15564	10872	11582	4913
850140	Other AC motors, single-phase	51218	31824	47337	23847



<i>HS Code</i>	<i>Description</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>	<i>2005 (Jan-May)</i>
850151	Of an output not exceeding 750 W	47691	49997	51205	18352
850152	Of an output exceeding 750 W but not exceeding 75 kW	158136	147476	144116	72705
850153	Of an output exceeding 75 kW	47483	44284	53632	19352
850161	Of an output not exceeding 75 kVA	45643	38028	36611	12241
850162	Of an output exceeding 75 kVA but not exceeding 375 kVA	21123	20979	11306	6973
850163	Of an output exceeding 375 kVA but not exceeding 750 kVA	9286	9055	7943	3990
850164	Of an output exceeding 750 kVA	21608	5575	16121	7993

**8502. Electric Generating Sets and Rotary Converters**

<i>Country</i>	<i>Value in '000 Rand</i>				<i>Rank</i>	<i>% Share</i>
	<i>2005 (Jan-Apr)</i>	<i>2004</i>	<i>2003</i>	<i>2002</i>		
	<i>Value in '000 Rand</i>					
Japan	47,071	106,316	3,098	4,462	1	71.90%
China	7,693	18,610	6,367	7,651	2	11.80%
United Kingdom	3,710	9,290	15,684	39,992	3	5.70%
United States	1,473	7,337	5,034	22,792	4	2.30%
Canada	1,181	0	25	0	5	1.80%
India	1,171	938	1,642	809	6	1.80%

**Total Import of South Africa of items falling under 8502**

<i>HS Code</i>	<i>Description</i>	<i>Value in '000 Rand</i>			
		<i>2002</i>	<i>2003</i>	<i>2004</i>	<i>2005 (Jan-May)</i>
850211	Of an output not exceeding 75 kVA	24,574	17,133	8,958	5,261
850212	Of an output exceeding 75 kVA but not exceeding 375 kVA	7,063	7,155	2,161	3,163
850213	Of an output exceeding 375 kVA	5,522	5,051	2,261	2,415
850220	Generating sets with spark-ignition internal combustion piston engines	16,693	15,300	26,756	11,418
850230	Other generating sets	0	0	0	0
850231	Electric generating sets and rotary converters : Windpowered	22,512	2,396	292	132
850239	Electric generating sets and rotary converters : Other	40,055	11,466	116,499	53,544
850240	Electric rotary converters	1,220	13,691	814	750

**8503. Parts suitable for use solely or principally with the Machines of Heading No. 8501 or 8502**

<i>Country</i>	<i>Value in '000 Rand</i>				<i>Rank</i>	<i>% Share</i>
	<i>2005 (Jan-Apr)</i>	<i>2004</i>	<i>2003</i>	<i>2002</i>		
	<i>Value in '000 Rand</i>					
Japan	20,415	2,654	9,270	3,421	1	31.50%
Brazil	16,355	34,246	38,419	36,493	2	25.20%
Germany	9,984	28,138	37,986	39,791	3	15.40%
United States	6,978	16,176	16,410	17,048	4	10.80%
Italy	3,995	12,967	8,528	8,624	5	6.20%
India	160	859	1,375	928	13	0.20%

**Total Import of South Africa of items falling under 8503**

		<i>Value in '000 Rand</i>			
<i>HS Code</i>	<i>Description</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>	<i>2005 (Jan-May)</i>
850300	Parts suitable for use solely or principally with the Machines of Heading No. 8501 or 8502	164,039	270,423	142,490	77,683

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

<i>Country</i>	<i>Value in '000 Rand</i>				<i>Rank</i>	<i>% Share</i>
	<i>2005 (Jan-Apr)</i>	<i>2004</i>	<i>2003</i>	<i>2002</i>		
	<i>Value in '000 Rand</i>					
China	53,545	121,089	88,863	102,463	1	18.60%
Germany	27,938	106,272	100,718	116,780	2	9.70%
United States	24,945	60,665	65,456	89,235	3	8.60%
Taiwan	20,201	61,732	52,555	64,644	4	7.00%
Japan	13,575	159,302	37,723	41,929	5	4.70%
India	3,659	10,468	8,447	9,540	19	1.30%

**Total Import of South Africa of items falling under 8504**

		<i>Value in '000 Rand</i>			
<i>HS Code</i>	<i>Description</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>	<i>2005 (Jan-May)</i>
850410	Ballast for discharge lamps or tubes	32,979	33,642	66,792	43,793
850420	Liquid dielectric transformers	0	0	0	0
850421	Having a power handling capacity not exceeding 650 kVA	33,126	1,330	1,432	463
850422	Having a power handling capacity exceeding 650 kVA but not exceeding 10000 kVA	18,774	297	1,538	2,506
850423	Having a power handling capacity exceeding 10000 kVA	6,351	37,889	1,664	16,432
850431	Having a power handling capacity not exceeding 1 kVA	56,630	43,338	50,963	20,285
850432	Having a power handling capacity exceeding 1 kVA but not exceeding 16kVA	6,914	6,084	6,746	2,283
850433	Having a power handling capacity exceeding 16 kVA but not exceeding 500 kVA	9,974	9,833	9,347	2,963
850434	Having a power handling capacity exceeding 500 kVA	5,814	4,940	92,403	1,790
850440	Electrical Transformers, Static Converters (for example, Rectifiers) and Inductors; Static Converters	618,112	536,356	575,463	262,520
850450	Electrical Transformers, Static Converters (for example, Rectifiers) and Inductors; Other Inductors	51,112	43,543	83,886	19,270
850490	Electrical Transformers, Static Converters (for example, Rectifiers) and Inductors; Parts	47,588	41,712	46,074	15,843

**8505. Electro-Magnets; Permanent Magnets and Articles intended to become Permanent Magnets after etc.**

Country	Value in '000 Rand				Rank		% Share
	2005 (Jan-Apr)	2004	2003	2002	2005	2004	2005 (Jan-Apr)
	<i>Value in '000 Rand</i>						
Germany	8,417	26,983	31,284	35,015	1	1	31.50%
Hong Kong, China	2,598	5,543	4,336	7,880	2	6	9.70%
China	2,355	9,844	6,934	7,484	3	2	8.80%
United States	2,347	6,238	5,645	9,752	4	4	8.80%
United Kingdom	2,076	7,552	5,996	8,005	5	3	7.80%
India	66	454	318	423	19	17	0.20%

**Total Import of South Africa of items falling under 8505**

HS Code	Description	Value in '000 Rand			
		2002	2003	2004	2005 (Jan-May)
850511	Electro-magnets; permanent magnets and articles intended to become permanent magnets after etc. of metal	20,494	12,781	11,215	4,031
850519	Electro-magnets; permanent magnets and articles intended to become permanent magnets after etc. other	25,014	25,342	24,087	9,213
850520	Electro-magnetic couplings, clutches and brakes	20,460	21,891	20,807	8,881
850530	Electro-magnetic lifting heads	319	313	266	182
850590	Electro-magnets; permanent magnets and articles intended to become permanent magnets after etc. other, including parts	44,138	26,939	21,455	11,677

**8511. Electrical Ignition or Starting Equipment of a kind used for Spark-ignition or Compression etc.**

Country	Value in '000 Rand				Rank		% Share
	2005 (Jan-Apr)	2004	2003	2002	2005	2004	2005 (Jan-Apr)
	<i>Value in '000 Rand</i>						
Japan	38,526	118,481	118,425	100,245	1	1	26.30%
Germany	23,527	97,535	109,941	92,330	2	2	16.10%
United States	12,612	46,227	37,109	42,296	3	3	8.60%
United Kingdom	8,618	26,460	31,234	37,712	5	5	5.90%
Italy	6,906	21,705	20,498	25,100	6	6	4.70%
India	12,457	32,532	12,103	12,032	4	4	8.50%



**Total Import of South Africa of items falling under 8511**
*Value in '000 Rand*

<i>HS Code</i>	<i>Description</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>	<i>2005 (Jan-May)</i>
851110	Electrical ignition or starting equipment of a kind used for spark-ignition or compression etc. sparking plugs	43,588	48,184	51,527	20,641
851120	Igniton magnetos; magneto-dynamos; magnetion fly-wheels	933	1,436	1,898	2,290
851130	Distributors; ignition coils	24,659	22,220	25,158	13,328
851140	Starter motors and dual purpose starter-generator	50,879	68,689	87,067	35,174
851150	Electrical ignition or starting equipment of a kind used for spark-ignition or compression etc. other generators	31,417	34,296	40,320	20,246
851180	Electrical ignition or starting equipment of a kind used for spark-ignition or compression etc. other equipment	23,766	21,644	28,846	10,877
851190	Electrical ignition or starting equipment of a kind used for spark-ignition or compression etc. parts	240,809	242,681	226,479	87,660

**8514. Industrial or Laboratory Electric (including induction or dielectric) Furnaces and Ovens; other etc.**

<i>Country</i>	<i>Value in '000 Rand</i>				<i>Rank</i>	<i>% Share</i>	
	<i>2005 (Jan-Apr)</i>	<i>2004</i>	<i>2003</i>	<i>2002</i>		<i>2004</i>	<i>2005 (Jan-Apr)</i>
	<i>Value in '000 Rand</i>						
Germany	15,404	30,054	133,473	126,348	1	2	46.40%
Italy	5,618	29,610	4,234	12,076	2	3	16.90%
United States	2,222	24,695	28,890	30,832	3	4	6.70%
United Kingdom	2,072	8,869	4,678	20,171	4	5	6.20%
Brazil	1,974	19	3	43	5	29	5.90%
India	-	-	-	-	-	-	-

**Total Import of South Africa of items falling under 8514**
*Value in '000 Rand*

<i>HS Code</i>	<i>Description</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>	<i>2005 (Jan-May)</i>
851420	Induction or dielectric furnaces and ovens	19,002	13,771	25,803	1,579

**8535. Electrical Apparatus for Switching or Protecting Electrical Circuits, or for making connections etc.**

<i>Country</i>	<i>Value in '000 Rand</i>				<i>Rank</i>	<i>% Share</i>	
	<i>2005 (Jan-Apr)</i>	<i>2004</i>	<i>2003</i>	<i>2002</i>		<i>2004</i>	<i>2005 (Jan-Apr)</i>
	<i>Value in '000 Rand</i>						
Germany	25,746	77,075	83,295	107,315	1	2	21.40%
France	21,680	84,776	46,803	50,161	2	1	18.10%
Italy	13,004	27,424	28,107	15,058	3	6	10.80%
Australia	11,871	37,903	25,285	26,170	4	3	9.90%
Sweden	9,673	22,852	34,053	25,148	5	7	8.10%
India	7,356	11,235	8,391	2,269	7	9	6.10%



**Total Import of South Africa of items falling under 8535**

*Value in '000 Rand*

<i>HS Code</i>	<i>Description</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>	<i>2005 (Jan-May)</i>
853510	Electrical Apparatus for Switching or Protecting Electrical Circuits, or for Making Connections etc. Fuses	9,974	10,638	11,774	3,617
853521	For a voltage of less than 72.5 kV	62,857	80,188	78,810	33,661
853529	Electrical Apparatus for Switching or Protecting Electrical Circuits, or for Making Connections etc. other	10,668	25,089	39,526	20,715
853530	Isolating switches and make-and-break switches	88,585	62,978	89,421	30,144
853590	Electrical Apparatus for Switching or Protecting Electrical Circuits, or for Making Connections etc. other	95,560	67,706	81,871	33,028

**8536. Electrical Apparatus for Switching or Protecting Electrical Circuits, or for making connections etc.**

<i>Country</i>	<i>Value in '000 Rand</i>				<i>Rank</i>		<i>% Share</i>
	<i>2005 (Jan-Apr)</i>	<i>2004</i>	<i>2003</i>	<i>2002</i>	<i>2005</i>	<i>2004</i>	<i>2005 (Jan-Apr)</i>
	<i>Value in '000 Rand</i>						
Germany	115,415	340,835	358,791	415,968	1	1	24.00%
France	47,560	230,468	165,647	184,349	2	2	9.90%
United States	44,104	126,657	134,565	193,485	3	4	9.20%
Italy	42,322	113,678	80,796	85,608	4	5	8.80%
China	35,210	81,599	55,169	67,190	5	7	7.30%
India	10,941	27,801	20,365	24,783	10	10	2.30%

**Total Import of South Africa of items falling under 8536**

*Value in '000 Rand*

<i>HS Code</i>	<i>Description</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>	<i>2005 (Jan-May)</i>
853610	Electrical Apparatus for Switching or Protecting Electrical Circuits, or for Making Connections etc. Fuses	41,093	28,620	30,278	11,634
853620	Automatic circuit breakers	139,807	118,405	113,162	59,729
853630	Other apparatus for protecting electrical circuit	71,655	45,923	125,045	28,314
853641	For a voltage not exceeding 60 V	193,264	133,470	121,892	53,459
853649	Electrical Apparatus for Switching or Protecting Electrical Circuits, or for Making Connections etc. other	295,159	279,337	273,579	110,584
853650	Electrical Apparatus for Switching or Protecting Electrical Circuits, or for Making Connections etc. other switches	369,324	312,626	323,602	139,488
853661	Electrical Apparatus for Switching or Protecting Electrical Circuits, or for Making Connections etc. Lamp-holders	25,969	21,287	21,976	8,812
853669	Electrical Apparatus for Switching or Protecting Electrical Circuits, or for Making Connections etc. other	180,588	149,921	167,358	72,128
853690	Electrical Apparatus for Switching or Protecting Electrical Circuits, or for Making Connections etc. other apparatus	427,547	341,391	348,375	130,293

*(To be continued at next issue)*

*(Source : EEPC Johannesburg Office)*