

Analysis of Engineering Exports during September, 2013

October 10, 2013

The growth rate of engineering exports for the second quarter has been very impressive as compared to the previous quarter of 2013-14, moving up from a negative growth rate of (-) 7.01% in Quarter 1 to 9.70% in Quarter 2. The low base effect has come to the advantage in the second quarter as the highest decline in 2012-13 was in the second quarter (-9.62). The positive spurt in the growth rate during August 2013 sustained even during September 2013 incurring a growth rate of 14.97% in August 2013 to the same period last year and 15.54% in September 2013 compared to September 2012. The cumulative growth rate of engineering exports registered a positive growth rate of 1.07% during April and September 2013. This performance in terms of growth rate and absolute figures recorded by the engineering sector in the first six months of the current fiscal are shown in the Table below:

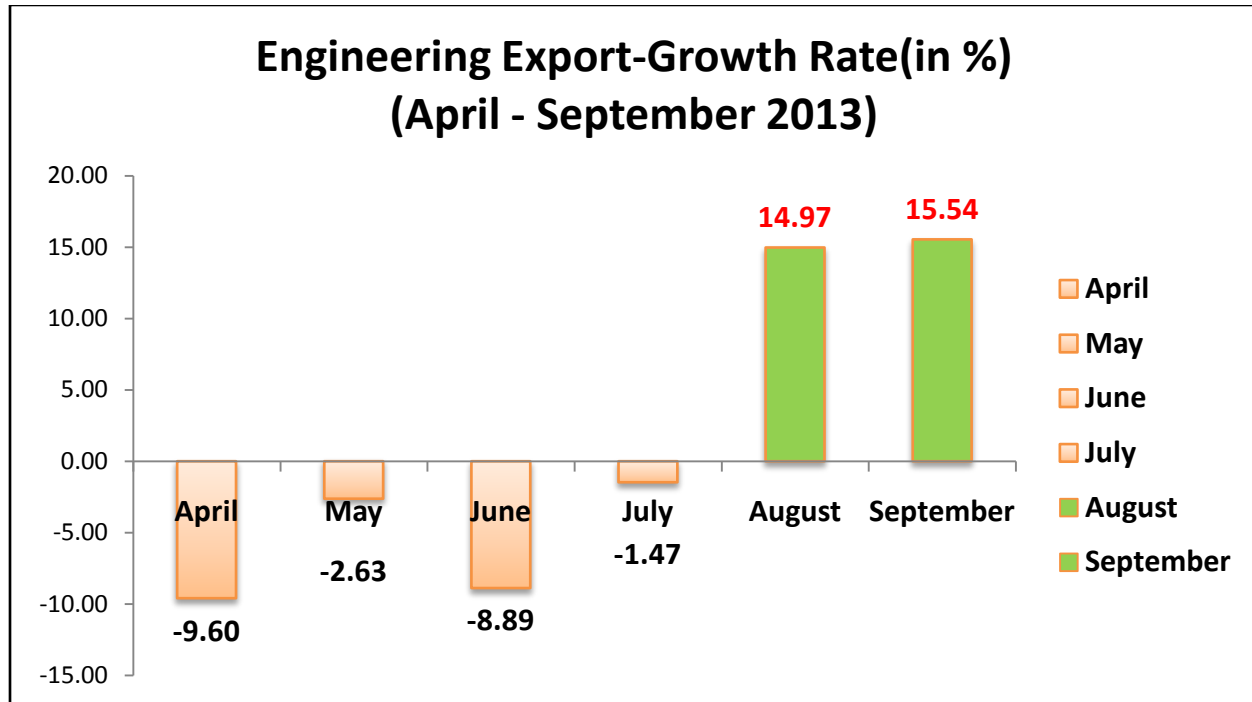
Table 1: 2013-14 vs. 2012-13: Month Wise

Table 1: Engineering Exports in USD Million					
	Month	2012-13	2013-14	Growth Rate in Percent	Growth Rate in Quarters
Quarter 1	April	5013.75	4532.65	-9.60	-7.01
	May	4932.33	4802.81	-2.63	
	June	4654.72	4241.14	-8.89	
Quarter 2	July	4539.17	4472.29	-1.47	9.70
	August	4582.70	5268.86	14.97	
	September	4549.40	5256.49	15.54	
	Total Exports	28272.07	28574.24	1.07	

Source: DGCI&S

Note: Red Font indicates positive growth rates

Graph 1: Trends in Month-wise Engineering Exports Growth Rate
During April 2013-September 2013



Source: DGCI&S

Trends in Engineering Panel Exports

We begin by looking at the Engineering Panel wise exports for month of September 2013 vis-a-vis September 2012 as also for the first six months of the current fiscal. The data is given in Table 2 below:

Table 2: Trends in Engineering panel Exports: Sept 2013 and April-Sept 2013

Engineering Panels		Value in USD Million		Growth (%)	Value in USD Million		Growth %
		September, 2012	September, 2013		APRIL,2012 - SEPTEMBER,2012	APRIL,2013 - SEPTEMBER,2013	
1. Iron and Steel and Products made of Iron and Steel							
A.	Iron and Steel	681.92	902.94	32.41	3791.98	4169.62	9.96
B.	Products of Iron	677.34	570.58	-15.76	3825.8	3243	-15.23
Sub-Total		1359.26	1473.52	8.41	7617.78	7412.62	-2.69

2. Non-Ferrous Metals and Products made of Non-Ferrous Metals							
A.	Copper and products	252.36	319.39	26.56	1349.85	954.25	-29.31
B.	Aluminium and products	134.89	186.15	38.00	764.18	875.46	14.56
C.	Zinc and products ma	45.85	50.01	9.07	216.7	198.32	-8.48
D.	Nickel and products	11.4	19.73	73.07	84.82	212.08	150.04
E.	Lead and products ma	7.71	24.15	213.23	44.61	68.61	53.80
F.	Tin and products mad	0.1	11.42	11320.00	1.49	50.81	3310.07
G.	Other Non Ferrous Metals	32.25	48.83	51.41	186.7	208.32	11.58
Sub-Total		484.56	659.68	36.14	2648.35	2567.85	-3.04
3. Industrial Machinery							
A.	"Nuclear Reactors In"	41.17	42.21	2.53	225.55	256.95	13.92
B.	IC Engines and Parts	117.07	136.58	16.67	836.8	817.05	-2.36
C.	Pumps of all types	46.64	60.69	30.12	284.51	335.52	17.93
D.	Air condition and Re	107.88	105.81	-1.92	580.37	533.89	-8.01
E.	Industrial Machinery	326.26	371.22	13.78	1880.95	2034.03	8.14
F.	Machine Tools	36.18	24.5	-32.28	192.99	164.12	-14.96
G.	Machinery for ATMs etc	107.12	108.7	1.47	621.25	598.22	-3.71
Sub-Total		782.32	849.71	8.61	4622.42	4739.78	2.54
4	Electric Machinery and Equipment	292.17	333.99	14.31	1692.3	1817.64	7.41
5. Auto and Auto Parts							
A.	Motor Vehicle/cars	543.48	603.22	10.99	2752.33	2967.62	7.82
B.	Two and Three Wheelers	108.5	133.61	23.14	664.1	718.29	8.16
C.	Auto Components/Part	301.89	341.96	13.27	2150.84	1856.41	-13.69
Sub-Total		953.87	1078.79	13.10	5567.27	5542.32	-0.45
6	Aircrafts and Spacecraft	153.97	219.35	42.46	1222	1802.26	47.48
7	Ships Boats and Floating bodies	29.3	175.02	497.34	2240.24	1876.26	-16.25
8. Miscellaneous							

A.	Medical and Scientific instruments	102.96	104.44	1.44	566.97	564.34	-0.46
B.	Railway Transport an	5.26	7.82	48.67	61.7	109.24	77.05
C.	Hand Tools & Cutting Tools	59.33	68.37	15.24	349.74	357.82	2.31
D.	Electrodes & Accumulators	3.82	3.08	-19.37	20.36	19.27	-5.35
E.	Accumulator and Battery	16.29	11.07	-32.04	83.06	70.24	-15.43
F.	Bicycle & Parts	26.62	30.1	13.07	133.62	165.86	24.13
G.	Cranes Lifts & Winches	21.96	31.47	43.31	148.76	146.74	-1.36
H.	Office Equipments	5.02	2.88	-42.63	28.27	17.56	-37.88
I.	Other Construction M	97.87	73.8	-24.59	472.08	446.17	-5.49
J.	Prime Mica & Mica Pr	2.19	1.47	-32.88	12.49	9.67	-22.58
K.	OTHER MISC. ITEMS	149.12	127.85	-14.26	762.06	883.19	15.90
Sub-Total		490.44	462.35	-5.73	2639.11	2790.1	5.72
GRAND TOTAL		4545.89	5252.41	15.54	28272.07	28574.24	1.07

Source: DGCI&S

The following trends can be discerned:

1. Out of the 33 engineering panels, 9 engineering panels recorded negative growths in the month of September 2013 compared to 16 such panels in the month of August 2013. (Panels with negative growth rates are shown in the Table below).

Table 3: Engineering panel with Negative Export Growth Rates: Sept 2013 -Sept 2012

PANEL	SEP-12	SEP-13	Growth (%)
Products of Iron and Steel	677.34	570.58	-15.76
Air condition and Re	107.88	105.81	-1.92
Machine Tools	36.18	24.5	-32.28
Electrodes Accumulator	3.82	3.08	-19.37
Accumulator and Battery	16.29	11.07	-32.04
Office Equipments	5.02	2.88	-42.63
Other Construction Machinery	97.87	73.8	-24.59
Prime Mica & Mica Products	2.19	1.47	-32.88
OTHER MISC. ITEMS	149.12	127.85	-14.26

Note: Red Font indicates panels suffering heavy fall in growth rates between September 2012 and September 2013.

2. Office Equipments sector has shown a sharp fall of 43% in the growth rate from September 2012 and September 2013. The growth in this sector has been volatile 2013, although the performance maximized during June 2013.
3. Prima Mica has also recorded negative growth of 33% during September 2013 as compared to the previous fiscal. The sector has been continuously decelerating from the previous fiscal and it has been falling heavily in the second quarter of the current fiscal.
4. Tin and Tin Products from the Non-ferrous sector, has been improving from the latter months of Quarter 1. Though the performance was subdued during July 2013, yet it rebounded heavily during September 2013. Overall, the sector enhanced its performance massively in the current fiscal as compared to the same period in the previous fiscal
5. There are signs of resurgence in the ship and boats, railway instrument sector, aircrafts, all of which recorded positive growth. The most worth mentionable is the non ferrous sector which has shown traces of improvement with heavy demand in the current fiscal as compared to the previous one. Though there has been a slowdown in domestic sales, auto majors have been exporting marginally in the current fiscal sustaining a positive growth. (Panels with positive growth rates are shown in the Table below).

Table 4: Engineering panel with Positive Export Growth Rates: Sept 2013 -Sept 2012

PANEL	SEP-12	SEP-13	Growth (%)
Iron and Steel	681.92	902.94	32.41
Copper and copper products	252.36	319.39	26.56
Aluminium products	134.89	186.15	38.00
Zinc and products ma	45.85	50.01	9.07
Nickel and products	11.4	19.73	73.07
Lead and products	7.71	24.15	213.23
Tin and products	0.1	11.42	11320.00
Other Non Ferrous Metals	32.25	48.83	51.41
Nuclear Reactors	41.17	42.21	2.53
IC Engines and Parts	117.07	136.58	16.67
Pumps of all types	46.64	60.69	30.12
Industrial Machinery	326.26	371.22	13.78
Machinery for ATMs	107.12	108.7	1.47

Electric Machinery	292.17	333.99	14.31
Motor Vehicle/cars	543.48	603.22	10.99
Two and Three Wheelers	108.5	133.61	23.14
Auto Components/Part	301.89	341.96	13.27
Aircrafts Spacecraft	153.97	219.35	42.46
Ships Boats and Floats	29.3	175.02	497.34
Medical and Scientific Instruments	102.96	104.44	1.44
Railway Transport	5.26	7.82	48.67
Hand Tools Cutting	59.33	68.37	15.24
Bicycle & Parts	26.62	30.1	13.07

Note: Red Font indicates panels incurring heavy growth rates between September 2012 and September 2013

☑ Top 25 Country Engineering Exports during April-Sept 13 over April-Sept 12 in Absolute Value (even though the growth rate may be negative)

We now look at the Top 25 Country wise export scenario during April-September 2013 over April-September 2012 in Absolute Value, even though the growth rate may be negative. The negative growth is marked in red font in Table 5. The comparative cumulative growth percent between April-September and April-August are also added in the table.

Table 5: Country wise Exports (April-September 2013)

Country wise Export Performance (Engineering Goods)				
(Value in Million US \$)				
COUNTRY	Apr-Sep-12	Apr-Sep-13	Growth % (Apr- Sep 13 to Apr-Sep 12)	Growth % (Apr- Aug 13 to Apr- Aug 12)
U S A	3300.94	2929.98	-11.24	-12.07
UAE	1857.64	2452.46	32.02	39.63
SINGAPORE	1763.73	1629.89	-7.59	-13.97
U K	1129.16	1192.21	5.58	-1.51
CHINA	1517.83	1097.14	-27.72	-42.84
GERMANY	1092.88	1005.07	-8.03	-8.46
SRI LANKA	921.76	967.44	4.96	3.02
SOUTH AFRICA	831.19	781.77	-5.95	-4.50

ITALY	632.88	727.6	14.97	20.42
SAUDI ARAB	645.75	711.08	10.12	10.63
BANGLADESH	543.25	584.75	7.64	12.29
KOREA RP	503.07	546.36	8.61	2.04
THAILAND	505.46	545.17	7.86	8.78
TURKEY	451.62	536.58	18.81	11.34
NIGERIA	506.04	528.37	4.41	1.81
NETHERLAND	663.69	499.33	-24.76	-40.55
FRANCE	402.41	477.49	18.66	20.63
INDONESIA	558.55	476.99	-14.60	-19.98
MALAYSIA	329.98	468.11	41.86	34.31
MEXICO	335.93	466.88	38.98	36.47
JAPAN	374.82	451.33	20.41	16.90
BRAZIL	400.68	435.79	8.76	4.01
NEPAL	356.25	413.92	16.19	14.39
KENYA	304.69	348.24	14.29	3.27
AUSTRALIA	432.21	334.41	-22.63	-18.96
Total of top 25	20362.41	20608.36	1.21	-1.61
Total Engineering Exports	28246.58	28545.19	1.06	-1.71
Share of Top 25 in Total (%)	72.09	72.20		

Source: DGCI&S

- Out of the top 25 countries in absolute value terms, 8 countries recorded negative growth during April- September 2013 as opposed to April-September 2012. Thus, 17 countries recorded positive growth during this period. In comparison, 16 countries recorded positive growth during April-August 2013 over April-August 2012. The year 2012-13 ended with 9 countries with negative growth in the top 25.
- Even though USA remains our top engineering export destination, the slowdown was spotted mainly during the month of June incurring a negative 2.34 % export growth. Though, the situation improved in July yet the export growth has been quite stagnant during September 2013. With the uncertainty in the renewal of GSP benefit, the

AD/CVD cases as also the impact of prolonged shutdown in the US, the slowdown may continue in the short run.

- The growth rate in the top 25 countries for both periods (April- September 2013 to April-September 2012) has improved and has recorded a positive growth of 1.21 percent. While the exports growth in the total engineering exports between April-September 2013 and April-September 2012 is 1.06 %. This implies that the top 25 countries have done slightly better than the rest of the world. The percentage share of top 25 in total exports has increased from 72.09 in April- September 2012 to 72.20 in April- September 2013.

Improved Performance in top 25 Countries in September 2013

The good news is that Sept 2013 recorded an overall 16.29% growth in the month of Sept 2013 over Sept 2012, even though major markets like USA, UAE, Germany, South Africa, Italy and Bangladesh recorded negative growths. This is shown in Table 5A below:

Table 5A: Top 25 Country Exports in Sept 2013 vs. Sept 2012

COUNTRY	(Value in Million US \$)		
	SEPTEMBER, 2012	SEPTEMBER, 2013	Growth Rate
U S A	572.09	530.57	-7.26
UAE	257.03	216.55	-15.75
SINGAPORE	144.76	237.14	63.82
U K	163.57	241.22	47.47
CHINA	267.4	382.51	43.05
GERMANY	176.65	169.59	-4.00
SRI LANKA	162.89	185.66	13.98
SOUTH AFRICA	150.07	131.31	-12.50
ITALY	127.85	119.41	-6.60
SAUDI ARAB	100.4	107.36	6.93
BANGLADESH	107.1	94.52	-11.75
KOREA RP	73.81	108.17	46.55
THAILAND	103.35	107.69	4.20
TURKEY	79.58	122.34	53.73
NIGERIA	82.5	97.18	17.79
NETHERLAND	63.17	142.59	125.72
FRANCE	70.82	77.47	9.39
INDONESIA	72.05	87.75	21.79
MALAYSIA	56.06	100.22	78.77
MEXICO	65.41	97.69	49.35
JAPAN	67.35	91.81	36.32

BRAZIL	50.48	71.78	42.19
NEPAL	66.24	82.18	24.06
KENYA	48.27	83.38	72.74
AUSTRALIA	89.67	56.75	-36.71
Top 25 total	3218.57	3742.84	16.29

(Bold figures shows negative growth); Source: DGCI&S

☑ Regional Distribution of Engineering Exports

We now look at the Regional Distribution of Engineering Exports for April-September 2013 as opposed to April-September 2012. The Table 6 below gives this picture:

Table 6: Region Wise Exports Trend—April-September 2013

Region wise Export Performance					
(Value in Million US \$)					
REGION	Apr-Sep-12	Apr-Sep-13	Growth %	Share in total in 2012 (%)	Share in total in 2013(%)
AFRICA	3992.62	3934.65	-1.45	14.13	13.78
ASEAN+2	4056.38	4038.25	-0.45	14.36	14.15
CIS	465.02	358.93	-22.81	1.65	1.26
EU	5269.47	5317.17	0.91	18.66	18.63
LAC	1354.85	1448.34	6.90	4.80	5.07
North America	3873.41	3621.20	-6.51	13.71	12.69
North East Asia	2741.23	2445.33	-10.79	9.70	8.57
Others	1901.10	2498.72	31.44	6.73	8.75
Rest of Europe	665.05	746.33	12.22	2.35	2.61
South Asia	1957.82	2080.07	6.24	6.93	7.29
West Asia	1969.63	2056.20	4.40	6.97	7.20
Grand Total	28246.58	28545.19	1.06	100.00	100.00

Note: *Figures have been rounded off. Source: DGCI&S; **Myanmar has been included in ASEAN+2 and not in South Asia, since ASEAN is a formal economic grouping.

Table 7: Region Wise Exports Trend—Sept 2013 and Sept 2012

Region wise Export Performance			
(Value in Million US \$)			
Region	SEP-12	SEP-13	Growth %
AFRICA	643.29	722.05	12.24
ASEAN+2	542.84	761.25	40.23
CIS	66.40	75.50	13.70
EU	851.27	987.31	15.98
LAC	222.36	267.91	20.48
North America	674.41	666.36	-1.19
North East Asia	453.55	678.92	49.69
Others	268.51	225.53	-16.01
Rest of Europe	106.61	155.45	45.81
South Asia	359.38	375.27	4.42
West Asia	356.70	336.20	-5.75
Grand Total	4545.32	5251.75	15.54

Source: DGCI&S

The main highlights are as follows:

- Out of 11 regions, 6 are in the positive in the first six months of the current fiscal. In contrast, the September 2013 figures are much better with only two regions showing negative growth. As can be expected from the country wise exports data analyzed earlier, North America, West Asia and Others recorded negative growth in September 2013 over Sept 12.
- Regions like EU, ASEAN, Africa and North America are the top exporting regions from April- September 2013. They share 60% of the total exports made by India.
- In the month of September 2013, ASEAN, North-East Asia and Rest of Europe have achieved high growth impetus as compared to September 2012.

Annexure 1 to this note presents detailed description of top 10 export destinations for each of the 33 engineering panels

☑ Conclusion: Lack of Consistency in Exports Data provided by DGCI&S

One major problem that is encountered while analyzing the month wise exports data released by DGCI&S is the ever changing nature of data that is presented not only of the previous month of the same fiscal but also revision of the same for the previous year. While releasing the data, the DGCI&S states the data is provisional and hence can be revised subsequently. However, it is surprising that even previous year's figure too is revised, sometimes substantially. Thus, the base year figures are also revised. To explain this, let us look at the DGCI&S engineering exports

data, month-wise that was released in September 2013 for the period April 2013 to August 2013. This is given in below Table 8:

Table 8: Data Released for April-August 2013 in September 2013

Month	2012-13	2013-14	Growth Rate in Percent
April	5013.55	4532.59	-9.59
May	4929.35	4792.49	-2.78
June	4654.73	4240.75	-8.89
July	4538.78	4472.79	-1.45
August	4582.7	4686.82	2.27
Total Exports	23719.11	22725.44	-4.19

Source: DGCI&S, September 2013

Now, let us look at the DGCI&S month-wise data that was released in October 2013 for the April-September 2013 period. This is presented in Table 9 below:

Table 9: Data Released for April-September 2013 in October 2013

Month	2012	2013	Growth Rate in Percent
April	5013.75	4532.65	-9.60
May	4932.33	4802.81	-2.63
June	4654.72	4241.14	-8.89
July	4539.17	4472.29	-1.47
August	4582.7	5268.86	14.97
September	4549.4	5256.49	15.54
Total Exports	28272.07	28574.24	1.07

Source: DGCI&S, October 2013

The contrast between Table 8 and Table 9 for the month-wise figures from April to August for both 2012 and 2013 is striking. This is evident from the growth rates that can be seen for these five months in the two tables. Further, the August 2013 figures have been revised upwards by USD 582 million in the October 2013 release (Table 9). As a result, the growth rate in the month of August 2013 which was earlier thought to be only 2.27% has suddenly jumped up to 14.97% in the recently released (October 2013) data of DGCI&S.

Thus, two major problems arise as a result of such sharp swings and inconsistency in data. First, one cannot be sure whether the September 2013 data that has now been released reflects the actual export or whether further major revisions will take subsequently. Minor variations are alright but substantial variation like the August 2013 data creates credibility problems. In fact, EEPC India's own data procured from private sources for all EDI ports had actually shown exports over USD 5 billion in August 2013, but we did not take into account the same in view of the lower estimate that DGCI&S figure claimed in their earlier (September 2013) release.

Second, forecasting based on such "moving" data, where even the base year data too is revised simultaneously and hence changing, becomes extremely difficult and prone to large errors. Accordingly, EEPC India would like to flag this issue before the Department of Commerce so that appropriate steps can be taken to ensure that more reliable data is released by DGCI&S as this has important implications for policy formulation.



ANNEXURE-1

PANEL	COUNTRY	SEPTEMBER, 2013	APRIL,2012 - SEPTEMBER ,2012	APRIL,2013 - SEPTEMBER ,2013	Growth
Medical and Scientific Instruments	U S A	14.23	13.43	82.24	81.35
	SINGAPORE	18.12	6.66	69.51	34.02
	AUSTRALIA	7.58	4.74	37.32	31.31
	GERMANY	3.59	4.77	23.92	25.9
	MALAYSIA	2.31	6.46	30.9	24.97
	FRANCE	1.75	5.38	11.01	22.43
	THAILAND	2.27	8.7	9.73	21.54
	U K	3.28	3.93	21.16	20.87
	BRAZIL	1.8	2.35	9.82	14.08

	U ARAB EMTS	1.72	2.5	18.53	12.99
Medical and Scientific Instruments Total		102.91	104.39	566.87	564.22
Office Equipments	U S A	1.45	0.14	10.69	3
	GERMANY	0.44	0.68	1.78	1.62
	IRAN	0.34	0.17	1.09	1.09
	MALAYSI A	0.18	0.31	0.97	0.92
	U ARAB EMTS	0.32	0.2	1.14	0.81
	NIGERIA	0.18	0.08	0.58	0.74
	THAILAND	0.12	0.14	0.65	0.67
	TURKEY	0.15	0	0.43	0.64
	SINGAPOR E	0.14	0.09	0.26	0.57
	SRI LANKA DSR	0.05	0.05	0.39	0.53
Office Equipments Total		5.04	2.88	28.23	17.48
" Electrodes Accumulators"	ANGOLA	0.37	0.37	1.52	1.71
	BELGIUM	0	0	0	1.64
	U ARAB EMTS	0.59	0.32	1.71	1.46
	U S A	0.44	0.28	1.95	1.42
	CHINA P RP	0.18	0.16	1.81	1.38
	KENYA	0.17	0.17	1.02	0.93
	NIGERIA	0.24	0.09	0.98	0.8
	GERMANY	0.03	0.15	0.49	0.72
	AUSTRALI A	0.01	0.2	0.04	0.66
	TANZANIA REP	0.06	0.13	0.27	0.47
" Electrodes		3.81	3.11	20.31	19.27

Accumulators" Total					
"Aircrafts Spacecraft"	U ARAB EMTS	0.49	4.62	3.88	434.44
	SRI LANKA DSR	43.73	47.41	303.66	411.24
	U S A	43.04	37.15	139.53	197.42
	FRANCE	12.73	12.03	101	110.34
	SINGAPOR E	7.08	52.8	66.7	108.93
	CZECH REPUBLIC	0	0	0	74.64
	U K	7.9	6.68	144.27	60.66
	MALAYSI A	0.76	9.12	3.88	54.09
	NETHERL AND	2.17	2.06	9.4	42.9
	GERMANY	7.79	8.12	74.81	41.15
"Aircrafts Spacecraft" Total		153.96	219.31	1221.91	1802.2 6
"Cranes Lifts & Winc"	OMAN	1.7	5.32	3.23	21.73
	MALAYSI A	0.17	5.13	1.11	15.34
	U ARAB EMTS	4.1	1.5	11.66	13.04
	U S A	2.6	3.63	12.42	11.89
	U K	1.29	1.47	9.04	7.83
	SAUDI ARAB	0.41	2.27	3.61	6.28
	NIGERIA	0.44	0.76	2.77	5.09
	TANZANIA REP	0.27	0.65	4.05	3.81
	BANGLAD ESH PR	0.96	0.66	8.42	3.05
	KAZAKHS TAN	0.01	0.03	0.03	2.82
"Cranes Lifts & Winc" Total		21.94	31.45	148.65	146.59

"Hand Tools Cutting"	U S A	11.29	10.13	62.59	61.71
	U ARAB EMTS	4.3	6.31	32.45	32.21
	GERMANY	4.75	4.81	26.76	25.08
	NETHERLAND	2.07	3.18	16.67	20.93
	U K	2.37	2.66	12.46	14.41
	RUSSIA	2.05	1.96	11.79	13.59
	SINGAPORE	1.53	1.7	13.92	9.98
	BELGIUM	1.35	0.94	7.27	9.91
	AUSTRALIA	1.67	1.56	9.51	9.11
	MALAYSIA	0.4	7.07	1.99	9.03
"Hand Tools Cutting" Total		59.32	68.39	349.52	357.62
"Machinery for ATMs"	U S A	24.82	21.9	152.48	135.73
	SAUDI ARAB	3.78	7.92	23.33	46.75
	U ARAB EMTS	8.69	5.85	50.83	38.04
	U K	5.09	4.45	31.46	28.32
	CHINA PR	4.21	5.36	20.36	25.64
	GERMANY	5.24	4.56	28.07	25.45
	SINGAPORE	2.9	4.14	22.24	19.86
	ITALY	2.4	1.64	12.99	18.1
	SOUTH AFRICA	0.97	1.93	8.69	15.64
	OMAN	1.24	3.29	6.17	14.89
"Machinery for ATMs" Total		107.07	108.61	620.98	598.1
"Nuclear Reactors "	INDONESIA	1.19	3.12	8.81	30.38

	SAUDI ARAB	3.51	3.98	17.46	21.41
	THAILAND	2.27	2.5	15.97	14.52
	U S A	0.52	2.6	3.99	9.65
	COLOMBIA	2.61	0.7	6.25	9.33
	SOUTH AFRICA	0.29	1.24	2.08	9.31
	EGYPT AR	0.99	1.95	2.14	9.26
	U ARAB EMTS	1.48	0.4	9.55	7.25
	OMAN	0.16	0.1	0.65	6.42
	KUWAIT	0.13	0.06	1.11	5.83
"Nuclear Reactors "		41.12	42.19	225.38	256.9
Total					
"Ships & Boats	SINGAPORE	0	106.99	1028.39	891.74
	U ARAB EMTS	10.33	0.04	425.77	624.77
	SRI LANKA DSR	18.87	66.72	100.97	140.21
	INDONESIA	0	0	35.62	53.4
	ITALY	0	0	0.02	50.4
	OMAN	0	0	0.01	48.7
	BRAZIL	0	0.01	27.65	22.67
	THAILAND	0	0	0.03	14.87
	NETHERLAND	0	0	285.01	8.6
	BAHARAIN IS	0	0	0	8.48
"Ships & Boats Total		29.3	175	2240.28	1876.2
A. Iron and Steel	U ARAB EMTS	55.38	32.56	283.67	252.13
	U S A	44.14	47.78	239.36	225.97
	KOREA RP	21.43	26.34	196.59	202.99
	THAILAND	25.83	50.24	100.57	190.77

	ITALY	51.92	31.27	182.68	177.65
	SAUDI ARAB	18.08	11.5	114.89	159.97
	CHINA P RP	20.51	43	141.8	151.05
	TAIWAN	13.12	53.02	105.73	145.08
	JAPAN	26.35	23.24	139.75	144.28
	NEPAL	36.8	26.29	184.39	143.65
A. Iron and Steel Total		681.91	902.94	3791.84	4169.53
Accumulator and Battery	NEPAL	1.23	1.12	4.08	9.9
	SINGAPOR E	1.15	1.59	8.49	9.4
	SAUDI ARAB	0.32	0.01	1.5	4.38
	U ARAB EMTS	3.09	0.83	10.24	3.46
	BANGLAD ESH PR	0.48	0.3	3.04	2.84
	NIGERIA	0.89	0.48	4.64	2.57
	AUSTRALI A	0.35	0.09	2.19	2.07
	GERMANY	0.74	0.43	2.19	2.06
	SRI LANKA DSR	0.55	0.37	1.72	2
	QATAR	0.06	0.14	0.34	1.95
Accumulator and Battery Total		16.26	11.06	83.14	70.23
Air condition and Re	IRAN	12.28	24.81	56.68	76.5
	SAUDI ARAB	11.8	5.36	61.89	52.56
	U S A	8.73	7.99	53.82	40.46
	U ARAB EMTS	7.11	6.11	36.07	35.52
	KOREA RP	3.16	4.11	12.88	18.86
	NIGERIA	2.24	2.35	12.32	15.44
	TURKEY	2.69	2.83	14.96	14.58

	EGYPT A RP	1.8	0.81	21.05	13.12
	CHINA P RP	3.17	1.4	16.07	11.77
	BAHARAI N IS	3.03	2.49	14.05	11.69
Air condition and Re Total		107.88	105.79	580.36	533.71
Aluminium products	KOREA RP	15.04	33.82	106.31	148.91
	U S A	22.89	20.97	108.31	101.05
	MEXICO	9.39	7.79	26.8	64.41
	U ARAB EMTS	6.55	9.29	33.54	49.44
	CHINA P RP	1.83	11.58	11.56	32.43
	NIGERIA	6.68	3.82	28.82	28.79
	GERMANY	4	4.94	24.2	27.39
	TURKEY	8.57	4.02	37.03	22.32
	BANGLAD ESH PR	3.14	1.9	39.15	19.38
	U K	2.78	4.12	16.54	18.74
Aluminium products Total		134.9	186.17	764.03	875.42
Auto Components/Part	U S A	60.69	64.21	378.67	385.5
	TURKEY	16.9	28.48	131.72	139.74
	U K	13.78	24.23	122.59	110.76
	GERMANY	14.76	17.19	85.44	96.79
	BRAZIL	9.38	21.34	73.79	93.38
	ITALY	11.5	15.71	87.41	88.48
	THAILAND	21.74	12.94	112.59	86.35
	INDONESI A	13.16	12.17	76.93	64.98
	EGYPT A RP	9.61	11.18	58.22	57.09
	JAPAN	10.29	7.4	46.95	52.84
Auto		301.84	341.9	2150.7	1856.3

Components/Part Total					
B. Products of Iron	U S A	143.39	126.37	913.28	669.91
	U ARAB EMTS	59.74	56.76	331.96	404.12
	GERMANY	37.06	31.45	226.47	202.87
	U K	29.96	53	164.4	178.56
	SAUDI ARAB	21.32	18.72	159.47	143.55
	CANADA	19.02	19.52	127.75	98.98
	ITALY	16.07	16.42	91.1	95.44
	FRANCE	8.34	11.41	53.35	63.95
	NETHERLAND	9.15	14.75	60.18	58.59
	IRAQ	48.56	7.73	177.67	57.12
B. Products of Iron Total		677.38	570.55	3825.91	3242.99
Bicycle & Parts	BANGLADESH PR	2.87	3.53	14.26	19.41
	UGANDA	1.18	1.4	7.3	8.95
	MOZAMBIQUE	2.19	1.52	6.89	7.65
	COLOMBIA	0.15	1.6	1.36	7.31
	TANZANIA REP	1.61	1.24	8.77	6.84
	ITALY	0.96	0.83	4.8	6.09
	SRI LANKA DSR	0.36	0.92	3.04	5.72
	NEPAL	1.18	1	6.26	5.7
	NIGERIA	0.51	0.7	4.08	5.67
	MALAWI	0.9	1.18	4.72	5.63
Bicycle & Parts Total		26.55	30.09	133.52	165.81
Copper and products	CHINA PRP	192.85	243.92	1022.62	526.97
	U ARAB EMTS	10.46	14.84	60.89	90.4
	U S A	9.63	9.66	43.72	57.67

	MALAYSI A	0.87	3.95	4.92	34.75
	SAUDI ARAB	4.61	3.56	22.19	24.06
	EGYPT A RP	0.64	0.26	11.32	22.93
	U K	2.21	2.67	13.03	16.16
	GERMANY	5.16	2.21	27.77	15.96
	VIETNAM SOC REP	4.12	5.77	8.38	12.62
	OMAN	0.71	1.55	5.04	10.51
Copper and products Total		252.38	319.38	1349.7	953.96
Electric Machinery	U S A	53.59	35.28	308.59	224.81
	GERMANY	19.27	18.97	121.39	116.49
	U K	13.73	22.03	90.42	95.88
	U ARAB EMTS	15.29	19.35	82.91	92.38
	FRANCE	8.09	17.81	47.6	89.92
	BRAZIL	2.27	10.05	42.12	69.11
	SOUTH AFRICA	5.87	7.72	26.91	57.1
	SAUDI ARAB	7.55	9.47	51.64	46.52
	JAPAN	6.77	11.59	31.42	43.19
	NIGERIA	5.74	7.02	34.73	41.51
Electric Machinery		292.16	334	1692.15	1817.3 7
IC Engines and Parts	U S A	26.8	27.57	190.02	167.5
	JAPAN	0.78	21.13	15.1	71.01
	U K	9.42	9.51	83.45	64.27
	TURKEY	5.06	15.19	16.48	55.29
	GERMANY	10.41	7.24	66.44	44.29
	ITALY	3.72	5.12	34.59	31.92
	MALAYSI A	0.32	0.25	3.69	29.88
	CHINA P RP	2.17	5.35	40.3	29.32

	THAILAND	12.05	2.49	61	29.25
	SWITZERLAND	0.03	0.01	28.44	26.51
IC Engines and Parts Total		117.05	136.51	836.66	816.76
Industrial Machinery	U S A	48.99	49.17	277.33	259.8
	BANGLADESH PR	17.24	14.04	89.59	90.01
	GERMANY	10.44	16.32	76.93	88.91
	NIGERIA	12.2	15.72	62.93	87.59
	TURKEY	8.71	21.61	66.27	82.01
	CHINA PR	9.26	14.18	45.12	73.24
	KENYA	5.52	10.62	48.88	57.43
	ALGERIA	6.02	9.38	33.85	56.11
	INDONESIA	17.51	9.28	64.39	55.15
	U ARAB EMTS	10.38	7.99	70.08	54.63
Industrial Machinery Total		326.22	371.2	1880.78	2033.83
Lead and products	KOREA RP	4.53	11.21	22.05	30.64
	SAUDI ARAB	1.8	1.69	6.96	7
	THAILAND	0.02	1.09	0.38	4.79
	BANGLADESH PR	0.05	1.2	0.57	4.78
	GERMANY	0	1.24	0.01	3.87
	U ARAB EMTS	0.22	0.62	4.86	2.67
	INDONESIA	0.11	0.74	2.34	1.52
	VIETNAM SOC REP	0	0.31	0	1.35
	SINGAPORE	0.05	0.67	0.07	1.31
	JAPAN	0	1.12	0.28	1.22
Lead and products		7.72	24.14	44.56	68.56

Total					
Machine Tools	GERMANY	3.08	2.98	22.17	19.21
	U S A	5.12	2.7	24.25	16.23
	BELGIUM	2.76	2.08	15.33	15.15
	CHINA P RP	3.1	0.94	13.11	12.38
	NIGERIA	0.38	1.91	3.16	6.84
	U ARAB EMTS	1.6	1.08	6.72	5.62
	BRAZIL	0.1	0.05	1.47	4.19
	ITALY	1.43	0.81	6.57	4.13
	SINGAPOR E	0.8	0.34	6.09	3.78
	NETHERL AND	0.6	0.67	3.84	3.75
Machine Tools Total		36.14	24.47	192.8	163.93
Motor Vehicle/cars	SOUTH AFRICA	94.12	76.95	398.15	431.78
	U K	41.73	64.58	205.28	354.12
	MEXICO	14.79	50.92	94.53	191.97
	ALGERIA	42.75	29.02	227.02	191.27
	SRI LANKA DSR	21.53	21.42	159.06	121.8
	AUSTRALI A	21.23	20.78	95.51	115.63
	BANGLAD ESH PR	15.04	20.63	71.5	103.53
	CHILE	11.53	14.43	76.8	79.64
	NIGERIA	7.39	15.1	59.95	76.88
	ITALY	7.35	14.93	45.72	74.28
Motor Vehicle/cars Total		543.47	603.21	2752.33	2967.4 9
Nickel and products	SINGAPOR E	8.62	16.79	27.52	143.7
	U ARAB EMTS	0.56	0.01	38.4	26.07

	MALAYSI A	0	0.02	0.1	12.86
	NETHERL AND	0.01	0.1	1.95	11.65
	U K	0.02	0.12	0.26	4.87
	U S A	0.94	0.96	5.37	2.98
	JAPAN	0	0.29	0.48	1.24
	SAUDI ARAB	0.01	0.09	0.57	0.84
	FRANCE	0.12	0.06	0.64	0.54
	ITALY	0.03	0.1	0.4	0.53
Nickel and products Total		11.4	19.71	84.85	212.08
Other Construction M	U ARAB EMTS	5.39	8.59	51.38	43.03
	U K	5.33	5.41	42.78	41.87
	U S A	5.87	5.88	41.19	34.64
	SINGAPOR E	37.55	1.94	79.62	27.76
	SOUTH AFRICA	1.8	4.04	9.47	15.28
	SAUDI ARAB	3.04	2.42	16.28	13.87
	MALAYSI A	2.69	1.2	8.19	13.62
	BRAZIL	1.41	1.81	9.59	12.38
	NEPAL	0.58	2.29	3.45	11.81
	NIGERIA	1.97	2.7	9.98	11.35
Other Construction M Total		97.83	73.76	471.99	446.06
OTHER MISC. ITEMS	U S A	30.38	26.51	170.32	156.62
	SINGAPOR E	2.17	2.26	15.26	141.86
	GERMANY	9.34	14.56	57.93	69.74
	U ARAB EMTS	9.46	8.1	61.72	44.84
	U K	5.29	6.25	46.95	40.43
	ITALY	4.06	7.61	21.33	36.22

	CHINA P RP	1.99	3.9	14.93	23.95
	FRANCE	10.93	2.19	23.59	18.07
	BRAZIL	2.1	2.38	15.23	17.14
	SWITZERL AND	1.94	2.34	14.82	16.85
OTHER MISC. ITEMS Total		149.11	127.81	761.95	883.01
Other Non Ferrous Metals	U K	5.92	7.71	33.65	38.35
	U S A	3.75	4.42	23.81	22.81
	GERMANY	1.4	2.85	9.89	14.82
	RUSSIA	0.14	12.7	0.87	13.69
	U ARAB EMTS	1.47	2.19	11.92	11.55
	FRANCE	0.65	0.76	4.65	6.91
	SOUTH AFRICA	0.66	0.93	3.94	5.03
	NEPAL	0.98	0.75	4.7	4.82
	KENYA	0.68	0.84	3.46	4.31
	SAUDI ARAB	0.79	0.53	5.68	4.17
Other Non Ferrous Metals Total		32.24	48.83	186.62	208.19
Prime Mica & Mica Products	U S A	0.35	0.24	2.07	1.75
	JAPAN	0.17	0.2	0.89	1.04
	U K	0.14	0.15	0.68	0.74
	TURKEY	0.1	0.2	0.7	0.7
	MEXICO	0.22	0	1.13	0.63
	CHINA P RP	0.27	0.08	0.68	0.52
	SAUDI ARAB	0	0.11	0.28	0.34
	HONG KONG	0.06	0.02	0.23	0.26
	NETHERL AND	0.02	0.03	0.2	0.24
	ITALY	0.01	0	0.21	0.22

Prime Mica & Mica Products Total		2.14	1.46	12.39	9.62
Pumps of all types	U S A	6.7	8.48	38.68	44.08
	GERMANY	4.1	6.7	23.25	31.11
	U ARAB EMTS	1.5	4.38	11.82	25.9
	SAUDI ARAB	1.14	2.96	7.57	15.44
	U K	1.93	2.03	12.24	12.78
	CHINA P RP	1.7	1.75	11.22	9.85
	INDONESI A	0.54	1.53	5.87	9.1
	BRAZIL	1.51	1.69	10.5	8.76
	SINGAPOR E	1.87	2.12	9.03	8.67
	IRAQ	0.5	1.22	4.74	8.01
Pumps of all types Total		46.58	60.68	284.25	335.37
Railway Transport	BANGLAD ESH PR	0	0.08	0.15	51.56
	SRI LANKA DSR	0.24	0.29	21.71	9.5
	SINGAPOR E	0.01	0.06	8.43	8.67
	U S A	0.95	1.41	7.23	6.63
	MYANMA R	0	1.33	3.18	6.03
	MOZAMBI QUE	0	2.35	0.11	4.72
	AUSTRIA	0.35	0.39	2.32	1.84
	AUSTRALI A	0.26	0.14	0.49	1.66
	GERMANY	0.25	0.07	2.1	1.55
	ECUADOR	0	0	0	1.38
Railway Transport Total		5.28	7.79	61.72	109.14

Tin products	SINGAPOR E	0	10.91	0	48.29
	CHINA P RP	0	0	0	0.66
	U K	0	0	0.44	0.36
	NIGERIA	0	0.19	0.03	0.34
	POLAND	0	0.08	0	0.23
	NETHERL AND	0	0.03	0.14	0.13
	SRI LANKA DSR	0.03	0.03	0.16	0.13
	SOUTH AFRICA	0.06	0	0.29	0.12
	U ARAB EMTS	0	0.07	0	0.11
	GERMANY	0	0	0	0.08
Tin products Total		0.11	11.4	1.45	50.74
Two and Three Wheelers	COLOMBI A	23.52	16.6	119.64	130.6
	NIGERIA	14.29	16.13	106.85	86.85
	PHILIPPIN ES	12.76	11	51.54	57.81
	BANGLAD ESH PR	9.18	10	61.1	54.18
	SRI LANKA DSR	7.78	8.33	49.35	47.15
	NEPAL	1.81	10.85	16.58	39.04
	UGANDA	2.7	3	18.26	22.49
	PERU	2.94	3.86	16.09	20.8
	KENYA	1.93	3.22	11.3	20.16
	GUATEMA LA	3.43	4.53	20.45	18.26
Two and Three Wheelers Total		108.44	133.59	664.06	718.19
	TAIWAN	7.54	9.08	31.94	42.02
	KOREA RP	11.61	7.53	45.64	32.69

	CHINA P RP	0.82	17.65	6.55	27.72
	U ARAB EMTS	2.25	2.57	16.77	16.01
	INDONESI A	3.76	2.22	19.5	13.08
	NIGERIA	1.35	2.54	8.13	10.75
	KENYA	1.05	0.81	6.58	7.49
	THAILAND	0	1.16	0.08	6.39
	UGANDA	0.01	0.56	0.16	5.22
Zinc products Total		45.86	49.98	216.69	198.26
Grand Total		4545.32	5251.75	28246.58	28545. 19

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