

LIST OF ITA-1 ITEMS AND DUTY REDUCTION SCHEDULE

S.No.	HS	Description	Basic rate	July 1997	2004	2005	Category
1.	381800	Chemical elements doped for use in electronics, in form of discs, wafers or similar forms; chemical compounds doped for use in electronics	90	42	0	0	Raw Material
2.	701710	Quartz reactor tubes and holders designed for insertion into diffusion and oxidation furnaces for production of Semiconductor wafers	83.4	52	0	0	CG
3	841989	Chemical vapor deposition apparatus for semiconductor production	50	27	0	0	CG
4	841990	Parts of Chemical vapor deposition apparatus for semiconductor production	35	27	0	0	Parts of CG
5	842119	Spin dryers for semiconductor wafer processing	45	27	0	0	CG
6	842191	Parts of spin dryers for semiconductor wafer processing	50	27	0	0	Parts of CG
7	842489	Deflesh machines for cleaning and removing contaminants from the metal leads of semiconductor packages prior to the electroplating process	61.7	27	0	0	CG
8	842489	Spraying appliances for etching, stripping or cleaning semiconductor wafer	61.7	27	0	0	CG
9	842490	Parts of spraying appliances for etching, stripping or cleaning semiconductor wafers	61.7	27	0	0	Parts of CG
10	845610	Machine for working any material by removal of material by laser or other light or photo beam in the production of semiconductor wafers	66.7	27	0	0	CG
11	845691	For dry-etching patterns on semiconductor materials	66.7	27	0	0	CG
12	845699	Focused ion beam milling machines to produce or repair masks and reticles for	66.7	27	0	0	CG

		patterns on semiconductor devices					
13	845699	Laser cutters for cutting contacting tracks in semiconductor production by laser beam	66.7	27	0	0	CG
14	846410	Machines for sawing mono crystal semiconductor bouls into slices, or wafers into chips	66.7	27	0	0	CG
15	846420	Grinding, polishing and lapping machines or processing of semiconductor wafers	66.7	27	0	0	CG
16	846490	Dicing machines for scribing or scoring semiconductor wafers	66.7	27	0	0	CG
17	846691	Parts of grinding, polishing and lapping machines for processing of semiconductor wafers	66.7	27	0	0	Parts of CG
18	846691	Parts of machines for sawing mono crystal semiconductor bouls into slices or wafers into chips	66.7	27	0	0	Parts of CG
19	846691	Parts of dicing machines for scribing or scoring semiconductor wafer	66.7	27	0	0	Parts of CG
20	846693	Parts of focused ion beam milling machines to produce or repair masks and reticles for patterns on semiconductor devices	31.7	27	0	0	Parts of CG
21	846693	Parts of machines for working any material by removal of material, by laser or other light or photo beam in the production of semiconductor wafers	31.7	27	0	0	Parts of CG
22	846693	Parts of machines for dry-etching patterns on semiconductor materials	31.7	27	0	0	Parts of CG
23	846693	Parts of laser cutters for cutting contacting tracks in semiconductor production by laser beam	31.7	27	0	0	Parts of CG
24	846693	Parts of apparatus for striping or cleaning semiconductor wafers	31.7	27	0	0	Parts of CG
25	846911	Word processing machines	52	52	10	0	Computer item
26	847010	Electronic calculators capable of operation without an external source of electric power and	116.7	52	10	0	Computer item

		pocket-size data recording, reproducing and displaying machines with calculating functions					
27	847021	Incorporating a printing device	52	52	10	0	Computer item
28	847029	Other	52	52	10	0	Computer item
29	847030	Other calculating machines	52	52	10	0	Computer item
30	847040	Accounting machines	52	52	10	0	Computer item
31	847050	Cash registers	52	52	10	0	Computer item
32	847090	Other	52	52	10	0	Computer item
33	847110	Analogue or hybrid automatic data processing machines	66.7	52	10	0	Computer item
34	847130	Portable digital automatic data processing machines, weighting no more than 10 kg, consisting of at least a central processing unit, a keyboard and a display	66.7	22	10	0	Computer item
35	847141	Comprising in the same housing at least a central processing unit and an input and output unit, whether or not combined	66.7	22	10	0	Computer item
36	847149	Other, presented in the form of systems	66.7	22	10	0	Computer item
37	847150	Digital processing units other than those of subheadings 8471.41 and 8471.49, whether or not containing in the same housing one or two of the following types of unit: storage units, input units, output units	66.7	22	10	0	Computer item
38	847160	Input or output units, whether or not containing storage units in the same housing	66.7	22	10	0	Computer item
39	847170	Storage units – Floppy disc drives, hard disc drives, CD-Rom drives	66.7	12	0	0	Computer item
40	847170	Storage units – other	66.7	22	0	0	Computer item
41	847180	Other units of automatic data processing machines	66.7	22	10	0	Computer item
42	847190	Other	66.7	22	10	0	Computer item
43	847290	Automatic teller machines	52	52	10	0	Computer item

44	847310	Printed circuit assemblies of word processing machines	110	52	10	0	Computer item
45	847321	Of the electric calculating machines of subheading No. 8470.108470.21 or 8470.29	110	52	0	0	Computer item
46	847329	Others	110	52	0	0	Computer item
47	847330	Populated PCBs	66.7	25	10	0	Computer item
48	847330	Other	66.7	25	0	0	Computer item
49	847340	Printed circuit assemblies for automatic teller machines	110	52	10	0	Computer item
50	847350	Parts and accessories equally suitable for use with machines of two or more of the headings Nos. 84.69 to 84.72	66.7	52	5	0	Computer item
51	847710	Encapsulation equipment for assembly of semiconductors	61.7	27	0	0	CG
52	847790	Parts of encapsulation equipment	61.7	27	0	0	Parts of CG
53	847950	Automated machines for transport, handling and storage of semiconductor wafers, cassettes, wafer boxes and other material for semiconductor devices	66.7	27	0	0	CG
54	847989	Apparatus for growing or pulling Mono crystal semiconductor bouls	90	27	0	0	CG
55	847989	Epitaxial deposition machines for semiconductor wafer	90	27	0	0	CG
56	847989	Apparatus for physical deposition by sputtering on semiconductor wafers	90	27	0	0	CG
57	847989	Apparatus for wet etching, developing, stripping or cleaning semiconductor wafers and flat panel displays	90	27	0	0	CG
58	847989	Die attach apparatus, tape automated bonders and wire bonders for assembly of semiconductors	90	27	0	0	CG
59	847989	Encapsulation equipment for assembly of semiconductors	90	27	0	0	CG
60	847989	Machines for bending, folding and straightening semiconductor leads	90	27	0	0	CG
61	847989	Physical deposition	90	27	0	0	CG

		apparatus for semiconductor production					
62	847989	Spinners for coating photographic emulsion on semiconductor wafers	90	27	0	0	CG
63	847990	Parts of apparatus for growing or pulling mono crystal semiconductor boules	61.7	27	0	0	Parts of CG
64	847990	Parts of epitaxial deposition machines for semiconductor wafers	61.7	27	0	0	Parts of CG
65	847990	Parts of apparatus for physical deposition by sputtering on semiconductor wafers	61.7	27	0	0	Parts of CG
66	847990	Parts for die attach apparatus, tape automated bonders, and wire bonders for assembly of semiconductor	61.7	27	0	0	Parts of CG
67	847990	Parts for spinners for coating photographic emulsions on semiconductor wafers	61.7	27	0	0	Parts of CG
68	847990	Parts of apparatus for wet etching, developing stripping or cleaning semiconductor wafers and flat panel displays	61.7	27	0	0	Parts of CG
69	847990	Parts of automated machines for transport handling and storage of semiconductor wafers, wafer cassettes, wafer boxes and other material for semiconductor devices	61.7	27	0	0	Parts of CG
70	847990	Parts of encapsulation equipment for assembly of semiconductors	61.7	27	0	0	Parts of CG
71	847990	Parts of machines for bending, folding and straightening semiconductor leads	61.7	27	0	0	Parts of CG
72	847990	Parts of physical deposition apparatus for semiconductor production	61.7	27	0	0	Parts of CG
73	848071	Injection and compression moulds for the manufacture of semiconductor devices	55	27	0	0	CG
74	850440	Static converters for automatic data processing machines and units thereof, and telecommunication apparatus	61.7	52	10	0	CG
75	850450	Other inductors for power	116.7	52	10	0	CG

		supplies for automatic data processing machines and units thereof, and telecommunication apparatus					
76	850490	Printed circuit assemblies for static converters for automatic data processing machines and units thereof, and telecommunication apparatus; printed circuit assemblies for other inductors for power supplies for automatic data processing machines and units thereof, and telecommunication apparatus	61.7	52	10	0	Parts of CG
77	851410	Resistance heated furnaces and ovens for the manufacture of semiconductor devices on semiconductor wafers	35	27	0	0	CG
78	851420	Inductance or dielectric furnaces and ovens for the manufacture of semiconductor devices on semiconductor wafers	35	27	0	0	CG
79	851430	Parts of resistance heated furnaces and ovens for the manufacture of semiconductor devices on semiconductor wafers	35	27	0	0	Parts of CG
80	851430	Apparatus for rapid heating of semiconductor wafers	35	27	0	0	CG
81	851490	Parts of furnaces and ovens of Heading No. 8514 10 to 8514 30	31.7	27	0	0	Parts of CG
82	851490	Parts of apparatus for rapid heating of wafers	31.7	27	0	0	Parts of CG
83	851711	Line telephone sets with cordless handsets	42	42	15	0	Telecom
84	851719	Other	42	42	15	0	Telecom
85	851721	Facsimile machines	42	42	15	0	Telecom
86	851722	Teleprinters	42	42	15	0	Telecom
87	851730	Telephonic or telegraphic switching apparatus	42	42	15	0	Telecom
88	851750	Other apparatus, for carrier-current line systems or for digital line systems	42	42	15	0	Telecom
89	851780	Set top boxes which have a communication function; A microprocessor based device incorporating a modem for gaining access	42	42	15	0	Telecom

		to the internet and having a exchange					
90	851780	Other apparatus	42	37	10	0	Telecom
91	851790	Populated PCBs	32	32	10	0	Telecom
92	851790	Other	32	32	10	0	Telecom
93	851810	Microphones having a frequency range of 300 Hz to 3,4 KHz with a diameter of not exceeding 10 mm and a height not exceeding 3 mm, for telecommunication use Loudspeakers, whether or not mounted in their enclosures:	22	22	10	0	Telecom
94	851829	Loudspeakers, without housing, having a frequency range of 300 Hz to 3,4 KHz with a diameter of not exceeding 50 mm, for telecommunication use – cone type	22	22	5	0	Telecom
95	851829	Loudspeakers, without housing, having a frequency range of 300 Hz to 3,4 KHz with a diameter of not exceeding 50mm, for telecommunication use-other than cone type	52	52	5	0	Telecom
96	851830	Line telephone handsets	52	52	10	0	Telecom
97	851890	Printed circuit assemblies for microphones having a range of 300 Hz to 3,4 KHz, with a diameter not exceeding 10 mm, and a height not exceeding 3 mm. For telecommunication use; printed circuit assemblies for loudspeakers, without housing, having a frequency range of 300 Hz. To 3,4 KHz, with a diameter not exceeding 50 mm, for telecommunication use; printed circuit assemblies for line telephone handsets	32	32	10	0	Telecom
98	852020	Telephone answering machines	52	52	10	0	Telecom
99	8522.90	Printed circuit assemblies for telephone answering machines	52	52	10	0	Telecom
100	852311	Of a width not exceeding 4 mm	52	52	5	0	Components
101	852312	Of a width exceeding 4 mm but not exceeding 6.5 mm	52	52	5	0	Components
102	852313	Of a width exceeding 6.5 mm	52	52	5	0	Components

103	852320	Magnetic discs (other than floppy disc/CD Rom)	52	52	5	0	Components
104	852320	Floppy disc	22	22	5	0	Components
105	852431	CD Rom	12	12	0	0	Components
106	852390	Other	52	52	5	0	Components
107	852431	For reproducing phenomena other than sound or image recorded in a machine readable binary form, and capable of being manipulated or providing inter activity to a user, by means of an automatic data processing machine	12	12	0	0	Software
108	852431	Other	52	52	5	0	Software
109	852439	For reproducing representations of instructions, data, sound, and image, recorded in a machine readable binary form, and capable of being manipulated or providing interactivity to a user, by means of an automatic data processing machine	12	12	0	0	Software
110	852440	For reproducing phenomena other than sound or image recorded in a machine readable binary form and capable of being manipulated or providing inter activity to a user, by means of an automatic data processing machine	12	12	0	0	Software
111	852440	Other	52	52	5	0	Software
112	852491	For reproducing phenomena other than sound or image recorded in a machine readable binary form, and capable of being manipulated or providing inter activity to a user, by means of an automatic data processing machine	12	12	0	0	Software
113	852491	Other	52	52	5	0	Software
114	852499	For reproducing representations of instructions, data, sound and image, recorded in a machine readable binary form, and capable of being manipulated or providing interactivity to a user, by means of an automatic data processing	12	12	0	0	Software
115	852510	Transmission apparatus	42	42	15	0	Telecom

		other than apparatus for radio-broadcasting or television					
116	852520	Transmission apparatus incorporating reception apparatus	42	42	15	0	Telecom
117	852540	Digital still image video camera 116s	52	42	10	0	Telecom
118	852790	Portable receivers for calling, alerting or paging	110	42	10	0	Telecom
119	852910	Aerials or antennae of a kind used with apparatus for radio-telephony and radio-telegraphy	32	32	5	0	Telecom
120	852990	Populated PCBs for Transmission apparatus other than apparatus for radio-broadcasting or television transmission apparatus incorporating reception apparatus digital still image video cameras, portable receivers for calling, alerting or paging	32	32	10	0	Telecom
121	852990	Parts (other than populated PCBs) of: transmission apparatus other than apparatus for radio-broadcasting or television transmission apparatus digital still image video cameras, portable receivers for calling, alerting or paging	32	32	10	0	Telecom
122	853120	Indicator panels incorporating Liquid Crystal Devices (LCD)	52	52	0	0	Component
123	853120	Indicator panels incorporating Light Emitting Diodes (LED)	52	52	10	0	Component
124	853180	Flat panel display devices of a kind used in automatic data processing machines and telecommunications apparatus	52	52	10	0	Component
125	853190	Parts of indicator panels incorporating LCD	52	52	0	0	Component
126	853190	Parts of indicator panels incorporating LED	52	52	10	0	Component
127	853210	Fixed capacitors designed for use in 50/60 Hz circuits and having a reactive power handling capacity of not less than 0.5 KVAR (power capacitors)	76.7	70	10	0	Component

128	853221	Tantalum	76.7	42	0	0	Component
129	853222	Aluminium electrolytic	76.7	52	10	0	Component
130	853223	Ceramic dielectric, single layer	76.7	52	10	0	Component
131	853224	Ceramic dielectric, multilayer	76.7	42	0	0	Component
132	853225	Dielectric of paper or plastics	76.7	52	10	0	Component
133	853229	Other	76.7	52	10	0	Component
134	853230	Variable or adjustable (pre-set) capacitors	76.7	52	10	0	Component
135	853290	Parts	110	52	0	0	Component
136	853310	Fixed carbon resistors, composition or film types -Other fixed resistors;	76.7	52	10	0	Component
137	853321	For a power handling capacity not exceeding 20 W	76.7	52	10	0	Component
138	853329	Other Wire wound variable resistors, including rheostats and potentiometers	76.7	52	10	0	Component
139	853331	For a power handling capacity not exceeding 20 W	76.7	52	10	0	Component
140	853339	Other	76.7	52	10	0	Component
141	853340	Other variable resistors, including rheostats and potentiometers	76.7	52	10	0	Component
142	853390	Parts	110	22	0	0	Component
143	853400	Printed circuits	76.7	52	10	0	Component
144	853650	Electronic AC switches consisting of optically coupled input and output circuits (insulated thyristor AC switches)	110	52	10	0	Component
145	853650	Electronic switches, including temperature protected electronic switches, consisting of a transistor and a logic chip (chip-on-chip technology) for a voltage not exceeding 1000 Volts	110	52	10	0	Component
146	853650	Electromechanical snap-action switches for a current not exceeding 11 amps, switches of contact rating less than 5 Amp at voltage not exceeding 250 volts	110	52	10	0	Component
147	853669	Plugs and sockets for coaxial cables and printed circuits	110	52	10	0	Component
148	853690	Connection and contact elements for wires and cables	110	52	10	0	Component
149	853690	Wafer probers	110	52	0	0	CG

150	853890	Printed circuit assembly for the following goods of heading no. 85.36: (1) electronic AC switches consisting of optically coupled input and output circuits (insulated thyristor AC switches) (2) electronic switches, including temperature protected electronic switches, consisting of a transistor and a logic chip (chip-on-chip technology) for a voltage not exceeding 1000 volts (3) electro-mechanical snap-action switches for a current not exceeding 11 amperes, switches of contact rating less than 5 amperes at voltage not exceeding 250 volts (4) plugs and sockets for co-axial cables and printed circuits (5) connection and contact elements for wires and cables (6) wafer probers	110	52	10	0	Component
151	854110	Diodes, other than photosensitive or light emitting diodes Transistors, other than photosensitive transistors:	66.7	52	10	0	Component
152	854121	With a dissipation rate of less than 1 W	66.7	52	10	0	Component
153	854129	Others	66.7	52	10	0	Component
154	854130	Thyristors, diacs and triacs, other than photosensitive devices	66.7	52	10	0	Component
155	854140	Photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light emitting diodes	66.7	52	10	0	Component
156	854150	Other semiconductor devices	66.7	52	10	0	Component
157	854160	Mounted piezo-electric crystals	66.7	52	10	0	Component
158	854190	Parts	110	22	0	0	Component
159	854212	Cards incorporating an electronic integrated circuits ("smart" cards)	66.7	22	0	0	Component
160	854213	Metal oxide semiconductors (MOS technology)	66.7	22	0	0	Component
161	854214	Circuits obtained by bipolar technology	66.7	22	0	0	Component

162	854219	Other, including circuits, obtained by a combination of bipolar and MOS technologies (BIMOS technology)	66.7	22	0	0	Component
163	854230	Other monolithic integrated circuits	66.7	22	0	0	Component
164	854240	Hybrid integrated circuits	66.7	22	0	0	Component
165	854250	Electronic micro assemblies	66.7	22	0	0	Component
166	854290	Parts	110	22	0	0	Component
167	854311	Ion implanters for doping semiconductor materials	116.7	27	0	0	CG
168	854330	Apparatus for wet etching, developing, stripping or cleaning semiconductor wafers and flat panel displays Other machines and apparatus	116.7	27	0	0	CG
169	854381	Proximity cards and tags	116.7	52	10	0	Component
170	854389	Electrical machines with translation or dictionary functions	116.7	52	10	0	CG
171	854389	Pattern generating apparatus of a kind used for producing masks or reticles from photo resist coated substrates	116.7	52	0	0	CG
172	854390	Parts of ion implanters for doping semiconductor material	116.7	27	0	0	Parts of CG
173	854390	Parts of apparatus or wet etching, developing stripping or cleaning semiconductor wafers and flat panel displays	116.7	27	0	0	Parts of CG
174	854390	Parts and accessories of pattern generating apparatus of a kind used for producing masks or reticles from photo resist coated substrates	116.7	52	0	0	Parts of CG
175	854390	Printed circuit assemblies for proximity cards and tags, printed circuit assemblies for electrical machines with translation or dictionary functions	116.7	52	10	0	Component
176	854441	Other electric conductors, for a voltage not exceeding 80 V, fitted with connectors, of a kind used for telecommunications	90	52	10	0	Telecom.Cables
177	854449	Other electric conductors, for a voltage not exceeding 80 V, not fitted with connectors, of a kind used	90	52	10	0	Telecom.Cables

		for telecommunications -Other electric conductors, for a voltage exceeding 80 V but not exceeding 1,000 V:					
178	854451	Other electric conductors, for voltage exceeding 80 V, but not exceeding 1000 V, fitted with connectors, of a kind used for telecommunications	90	52	10	0	Telecom. Cables
179	854470	Optical fibre cables	110	42	15	0	Telecom. Cables
180	900911	Operating by reproducing the original image directly onto the copy (direct process)	110	100	15	0	CG
181	900921	Incorporating an optical system	110	100	15	0	CG
182	900990	Parts and accessories	110	100	20	0	Parts of CG
183	901041	Direct write-on wafer apparatus	110	52	0	0	CG
184	901042	Step and repeat aligners	110	52	0	0	CG
185	901049	Other	110	52	0	0	CG
186	901090	Parts and accessories of the apparatus of Headings No 9010 41 to 9010 49	110	52	0	0	Parts of CG
187	901110	Optical stereoscopic microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles	70	27	0	0	CG
188	901120	Photo micrographic microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles	70	27	0	0	CG
189	901190	Parts and accessories of optical stereoscopic microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles	70	27	0	0	Parts of CG
190	901190	Parts and accessories of photo micrographic microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or	70	27	0	0	Parts of CG

		reticles					
191	901210	Electron beam microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles	70	27	0	0	CG
192	901290	Parts and accessories of electron beam microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles.	70	27	0	0	Parts of CG
193	901380	Liquid crystal devices	83.4	52	0	0	Component
194	901390	Parts and accessories of LCD	83.4	52	0	0	Component
195	901710	Drafting machines of heading no. 9017	40	27	10	0	CG
196	901720	Pattern generating apparatus of a kind used for producing masks or reticles from photo resist coated substrates	40	27	0	0	CG
197	901720	Drawing machines of heading no. 9017	40	27	10	0	CG
198	901790	Parts and accessories for pattern generating apparatus of a kind used for producing masks or reticles from photo resist coated substrates.	110	27	0	0	Parts of CG
199	901790	Printed circuit assemblies for drafting machines of heading no. 90.17 printed circuit assemblies for drawing machines of heading no. 90.17	110	52	10	0	Instruments
200	902610	-For measuring or checking the flow or level of liquids	40	36	10	0	Instruments
201	902620	For measuring or checking pressure	40	27	5	0	Instruments
202	902680	Other instruments or apparatus	40	27	5	0	Instruments
203	902690	-Parts and accessories	110	27	0	0	Instruments
204	902720	Chromatographs and electrophoresis instruments	35	27	5	0	Instruments
205	902730	Spectrometers, spectrophotometers and spectrographs using optical radiations (UV, visible, IR)	35	27	5	0	Instruments
206	902750	Other instruments and apparatus using optical radiations (UV, visible, IR)	35	27	5	0	Instruments
207	902780	Other instruments and apparatus	35	27	5	0	Instruments

208	902790	Micro tomes; parts and accessories	35	27	0	0	Instruments
209	903040	Other instruments and apparatus, specially designed for telecommunications (for example, cross-talk meters, gain measuring instruments, distortion factor meters, psophometers)-Other instruments and apparatus;	70	52	10	0	Instruments
210	903082	-For measuring or checking semiconductor wafers or devices	40	27	0	0	Instruments
211	903090	-Parts and accessories of instruments and apparatus for measuring or checking semiconductor wafers or devices	40	27	0	0	Instruments
212	903090	-Parts of instruments and appliances for measuring or checking semiconductor wafers or devices	40	27	0	0	Instruments
213	903141	-For inspecting semiconductor wafers or devices or for inspecting photo masks or reticles used in manufacturing semiconductor devices	40	27	0	0	Instruments
214	903149	Optical instruments and appliances for measuring surface particle contamination on semiconductor wafers	40	27	0	0	Instruments
215	903190	Parts and accessories of optical instruments and appliances for inspecting semiconductor wafers or devices or for inspecting masks, photo masks or reticles used in manufacturing semiconductor devices	40	27	0	0	Instruments
216	903190	Parts and accessories of optical instruments and appliances for measuring surface particle contamination on semiconductor wafers	40	27	0	0	Instruments
217	702000	Quartz reactor tubes and holders designed for insertion into diffusion and oxidation furnaces for production of Semiconductor wafers	110	52	0	0	Raw Material

