

APPENDIX TABLES

Table AI.1
Industrial production index^a, 1990-97
 (Per cent)

	1990/91	1993/94	1995/96	1996/97
All industries	8.2	6.0	12.1	7.3
Manufacturing	9.0	6.1	13.6	8.8
of which: food	-12.6	-8.7	13.9	3.4
beverages and tobacco	1.7	21.3	19.4	14.3
textile products	-32.0	-3.2	14.0	5.9
chemicals products	2.6	7.6	9.3	2.0
non-metallic minerals	1.7	4.6	12.1	8.2
metals, except machinery	0.4	1.6	16.8	2.7
machine tools	8.5	4.4	21.0	0.5
electric machinery	22.7	-4.9	19.5	6.6
transport equipment	6.5	5.3	24.6	19.6
Mining and quarrying	4.5	3.5	7.7	0.9
Electricity generation	7.8	7.4	8.1	3.8

a Annual percentage change on a gross basis in the industrial production index using 1980/81 as the base.

Note: Year beginning 1 April.

Source: Data supplied by the Government of India; and IMF (1996b), India - Recent Economic Developments, Staff Country Report No. 96/131.

Table AI.2
Evolution of the service sector, 1980-96
(Per cent of value of sectoral output)

	1980/81	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96
Wholesale and retail trade	31.4	29.9	29.1	29.2	29.6	30.3	31.8
Restaurants and hotels	1.9	2.0	2.0	2.0	1.9	2.2	2.4
Transport and storage	11.3	11.8	11.8	11.8	11.4	11.3	11.4
Communication	1.9	1.8	1.7	2.0	1.9	2.2	2.4
Banking and insurance	7.8	13.6	15.0	15.2	16.3	16.7	15.9
Real estate and ownership	16.7	12.8	12.6	12.3	11.9	11.4	10.9
Public admn. and defence	13.1	13.6	13.3	13.3	12.6	12.1	11.6
Other services	16.1	14.6	14.8	14.7	14.3	14.0	13.8

Note: Year beginning 1 April.

Source: CSO, National Accounts Statistics, 1996.

Table AI.3
Exports by groups of products, 1980-96
 (US\$ million and per cent)

Commodity	1980/81	1985/86	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96
Total (US\$ million)	7,511	8,950	17,859	17,873	20,697	22,206	26,309	31,650
	Per cent of total							
Total primary products	41.1	41.8	27.7	26.5	24.9	24.7	22.1	24.9
Agriculture	33.2	28.2	19.6	18.8	17.8	18.8	16.7	20.0
- Food	28.2	25.3	15.6	16.8	16.2	16.8	15.5	18.7
Fish fresh, simply preserved	3.2	3.8	2.9	3.2	3.2	3.6	4.2	3.2
Animal feeding stuff	2.2	1.4	1.9	2.1	2.9	3.4	2.2	2.2
- Agricultural raw material	5.0	2.8	4.1	2.0	1.6	2.0	1.2	1.3
Mining	7.9	13.6	8.1	7.7	7.1	5.9	5.4	4.9
- Ores and other minerals	7.3	7.2	4.6	4.6	3.2	3.1	2.8	2.8
- Non-ferrous metals	0.2	0.4	0.5	0.7	1.0	0.6	0.7	0.5
- Fuels	0.4	6.0	2.9	2.4	2.8	2.2	1.9	1.7
Manufactures	58.6	58.1	70.7	72.0	73.5	73.7	76.2	73.5
- Iron & steel	1.1	0.5	1.6	2.0	2.6	3.6	2.9	3.2
- Chemicals	4.2	3.7	8.1	8.8	7.1	7.4	8.5	8.5
Medicinal products, etc.	1.5	1.4	2.5	2.7	2.1	2.2	2.2	2.3
Organic chemicals	0.2	0.3	1.3	1.7	1.5	1.6	2.1	2.3
- Other semi-manufactures	17.5	21.7	23.1	20.6	22.6	23.6	22.6	21.6
Pearl, prec-, semi-p stone	7.7	13.0	15.2	13.8	15.1	16.5	15.4	15.0
Diamonds nonindust, unset	7.1	12.7	14.5	13.1	14.5	16.1	15.0	14.5
- Machinery and transport equip.	8.3	6.3	7.4	7.4	7.0	6.8	7.2	7.5
Power generating machines	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1
Other non-electrical mach.	2.2	2.3	2.4	1.9	1.8	1.6	1.7	1.6
Agr. machinery & tractor	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Office machines & telecommunications equip.	0.2	0.3	1.0	0.8	0.7	0.8	1.0	1.5
Other electrical machines	1.6	1.3	1.2	1.4	1.1	1.0	1.1	1.1
Automotive products	2.5	1.4	1.6	2.1	2.1	2.0	2.3	2.2
Other transport equipment	1.7	0.8	1.1	1.1	1.2	1.2	1.0	1.1
- Textiles	15.2	11.5	11.2	13.1	12.9	11.9	13.1	12.8
Textile yarn and thread	0.7	0.8	2.0	3.0	3.1	2.9	4.0	4.3
Cotton fabrics, woven	4.7	3.7	3.2	3.5	3.3	3.1	3.5	3.0
Woven textiles, noncotton	3.2	2.1	2.4	2.6	2.4	2.1	2.4	2.2
Floor covr, tapestry, etc.	2.6	2.6	2.5	2.9	3.0	2.7	2.3	2.0
- Clothing	7.9	10.2	15.2	15.3	16.2	14.7	15.6	14.0
Clothing not of fur	7.9	10.2	15.2	15.3	16.2	14.7	15.6	14.0
- Other consumer goods	4.5	4.2	4.1	4.8	5.1	5.8	6.4	6.0
Software	...	...	0.1	0.1	0.1	0.1	0.3	0.4
Other	0.3	0.1	1.6	1.5	1.6	1.6	1.6	1.5

... Not available.

Note Year beginning 1 April.

Source: UNSD, Comtrade Database (SITC Rev.1).

Table AI.4

Imports by groups of products, 1980-96

(US\$ million and per cent)

Commodity	1980/81	1985/86	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96
Total (US\$ million)	13,819	16,224	23,799	19,509	24,206	23,058	28,185	36,053
	Per cent of total							
Total primary products	61.3	45.3	42.6	42.1	44.0	39.1	41.9	39.1
Agriculture	10.7	11.8	7.2	5.8	7.5	6.5	10.4	8.3
- Food	9.0	8.4	3.2	2.7	3.8	3.1	6.0	4.3
Sugar and honey	0.8	2.1	0.0	0.0	0.0	0.0	2.6	0.2
- Agricultural raw material	1.7	3.4	4.0	3.1	3.7	3.4	4.4	4.0
Mining	50.6	33.5	35.4	36.3	36.5	32.6	31.5	30.8
- Ores and other minerals	2.3	4.2	5.4	4.5	4.7	3.1	4.1	3.5
- Non-ferrous metals	3.6	2.8	2.6	1.8	1.9	2.2	3.5	3.5
- Fuels	44.6	26.5	27.3	29.9	29.8	27.3	23.9	23.8
Crude petroleum, etc.	28.1	18.8	14.0	16.3	16.9	14.8	11.7	9.5
Petroleum products	16.2	6.6	11.1	11.2	10.5	10.2	9.4	11.3
Coal, coke, briquettes	0.3	1.1	1.8	2.2	2.2	2.0	2.5	2.2
Manufactures	38.7	54.4	51.2	49.9	49.8	53.6	51.3	53.8
- Iron & steel	6.1	7.1	4.9	4.1	3.6	3.5	4.1	4.0
- Chemicals	10.2	14.7	12.9	15.9	14.3	13.1	15.2	15.8
Organic chemicals	1.8	2.6	3.3	2.8	3.0	3.8	4.9	4.7
Fertilizers, manufactured	4.8	5.4	2.6	3.3	3.2	2.7	2.7	3.8
Plastic materials, etc.	0.9	1.6	2.5	2.9	1.9	1.8	2.1	2.2
- Other semi-manufactures	7.2	8.6	11.4	12.8	13.7	14.2	8.5	9.0
Pearl, prec., semi-prec. stone	3.8	5.6	8.7	10.1	11.3	11.4	5.8	5.9
- Machinery & transport equip.	13.3	20.9	17.8	13.7	14.5	19.0	19.5	20.6
- Power generating machines	0.3	0.8	0.6	0.8	0.5	0.7	0.7	0.5
- Other non-electrical machinery	6.1	11.9	7.4	6.1	6.5	7.4	8.4	9.6
Machines, n.e.s., non electric	4.2	8.9	4.4	3.9	3.6	4.0	4.4	5.3
Textile, leather machinery	0.5	1.0	1.3	0.8	1.5	2.0	2.4	2.2
- Office machines & telecommunications equip.	0.7	2.1	2.7	2.3	2.5	2.5	2.8	3.3
- Other electrical machines	1.7	2.8	2.9	2.3	2.6	2.5	3.1	3.6
- Automotive products	0.9	2.1	1.4	1.2	1.2	1.2	1.4	1.7
- Other transport equipment	3.5	1.3	2.8	1.0	1.2	4.6	3.0	1.9
Aircraft	3.1	0.5	1.2	0.3	0.5	4.0	2.6	1.3
- Textiles	0.5	0.8	1.0	0.7	0.7	1.0	1.2	1.0
- Clothing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Other consumer goods	1.4	2.4	3.2	2.7	3.0	2.8	2.9	3.4
Other	0.0	0.3	6.2	8.0	6.2	7.3	6.8	7.1

... Not available.

Note Year beginning 1 April.

Source: UNSD, Comtrade Database (SITC Rev.1).

Table AI.5

Merchandise exports by destination, 1980-96

(US\$ million and per cent)

	1980/81	1985/86	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96
Total (US\$ million)	7,511	8,950	17,859	17,873	20,679	22,206	26,309	31,650
	Per cent of total							
America	12.7	19.5	16.1	18.1	20.9	20.1	21.4	19.5
USA	11.3	18.2	14.8	16.4	19.0	18.0	19.1	17.4
Canada	0.9	1.2	0.9	1.1	1.0	1.0	1.0	1.0
Other America	0.5	0.2	0.5	0.7	0.9	1.1	1.4	1.1
Europe	46.3	41.6	48.6	41.0	35.9	33.4	33.5	33.3
EU15 ^a	23.9	19.2	28.9	28.3	29.5	27.1	27.9	27.4
Germany ^b	6.3	5.6	7.8	7.1	7.7	6.9	6.6	6.2
United Kingdom	6.1	4.8	6.5	6.4	6.5	6.2	6.4	6.3
Belgium-Luxembourg	2.4	2.1	3.9	3.7	3.7	3.8	3.8	3.5
Italy	2.6	1.9	3.1	3.2	3.4	2.7	3.3	3.2
Netherlands	2.4	1.4	2.0	2.1	2.2	2.3	2.2	2.4
France, Monaco	2.2	1.9	2.4	2.4	2.5	2.3	2.2	2.3
EFTA ^a	2.0	1.1	1.4	1.5	1.3	1.2	1.2	1.1
East Europe	19.6	21.0	17.7	10.8	4.4	4.5	4.0	4.2
Former USSR	16.9	18.3	16.2	9.2	3.3	2.9	3.1	3.3
Other Europe	0.7	0.3	0.6	0.5	0.7	0.6	0.4	0.6
Asia	32.4	28.4	28.8	34.2	35.4	39.8	38.2	39.1
Middle East	11.6	8.6	5.8	9.2	9.8	10.9	9.4	9.0
United Arab Emirates	2.4	2.4	2.4	4.1	4.4	5.2	4.8	4.5
East Asia	17.2	16.7	19.7	21.4	21.4	24.8	24.1	24.7
Japan	9.7	10.7	9.4	9.3	7.8	7.8	7.7	7.0
Hong Kong, China	1.2	1.9	3.3	3.4	4.1	5.6	5.8	5.7
Singapore	1.3	1.2	1.8	2.2	3.2	3.4	2.9	2.8
South Asia	3.5	3.2	3.2	3.6	4.2	4.1	4.7	5.5
Bangladesh	1.2	1.2	1.7	1.8	1.9	1.9	2.5	3.3
Oceania	1.8	1.3	1.1	1.3	1.4	1.3	1.5	1.4
Africa	6.5	3.2	2.5	3.1	3.8	3.7	3.7	5.2
Sub-Saharan Africa	4.5	1.6	1.8	2.4	2.9	2.6	2.6	3.5
Other Africa	2.0	1.5	0.7	0.7	0.9	1.0	1.2	1.8
Other ^c	0.4	5.9	2.9	2.3	2.6	1.8	1.6	1.4

a Austria, Finland and Sweden are included in EU15 for the whole period.

b Unified Germany.

c Consists primarily of exports for which no destination is specified.

Note Year beginning 1 April.

Source: UNSD, Comtrade database (SITC Rev.1).

Table AI.6

Merchandise imports by origin, 1980-96

(US\$ million and per cent)

	1980/81	1985/86	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96
Total (US\$ million)	13,819	16,224	23,799	19,509	24,206	23,058	28,185	36,053
	Per cent of total							
America	15.9	15.6	14.1	12.9	12.7	13.8	13.9	13.3
USA	11.5	10.5	10.7	9.7	9.6	11.6	10.2	10.6
Canada	2.3	2.3	1.3	1.4	1.8	1.0	0.9	1.1
Other America	2.0	2.8	2.1	1.8	1.3	1.2	2.7	1.6
Europe	26.7	40.7	37.2	35.1	33.9	34.4	32.0	33.7
EU15 ^a	19.7	28.4	29.9	29.9	30.3	30.6	26.5	27.6
Germany ^b	5.6	8.3	8.0	8.0	7.6	7.7	7.7	8.7
United Kingdom	5.4	6.4	6.4	6.1	6.3	6.5	5.4	5.2
Belgium-Luxembourg	2.4	4.9	6.3	7.1	8.4	8.1	4.3	4.7
Italy	1.3	1.6	2.3	2.1	1.6	1.8	2.5	2.5
France, Monaco	2.1	3.0	2.8	3.0	2.4	2.5	2.2	2.1
Netherlands	1.1	1.5	1.6	1.3	1.6	1.5	1.3	1.5
EFTA ^a	1.3	1.1	1.3	0.9	1.1	1.4	1.8	1.7
East Europe	5.5	10.6	5.4	3.7	2.2	2.3	3.3	4.2
Former USSR	4.0	8.5	3.9	2.7	1.2	1.6	2.7	2.3
Other Europe	0.2	0.6	0.7	0.6	0.3	0.2	0.4	0.3
Asia	38.1	37.9	31.6	33.0	32.8	32.1	36.8	34.1
Middle East	27.4	20.2	14.5	16.8	16.3	15.3	15.3	12.7
Saudi Arabia	4.6	4.0	5.8	5.7	5.7	5.3	4.5	3.8
United Arab Emirates	2.9	3.3	3.2	5.1	4.2	3.6	4.5	3.4
Kuwait	0.9	1.7	0.4	1.1	2.6	2.4	2.4	2.3
East Asia	10.4	17.1	16.6	15.6	15.7	16.4	20.9	20.7
Japan	5.0	9.0	7.5	7.0	6.6	6.6	7.2	6.8
China	0.2	0.7	0.1	0.1	0.6	1.3	2.7	2.4
Singapore	0.5	1.7	2.1	1.6	1.5	1.8	2.5	2.3
Korea Rep.	1.1	1.4	1.3	1.6	1.6	2.4	2.2	2.2
South Asia	0.4	0.6	0.5	0.5	0.8	0.5	0.6	0.7
Oceania	1.3	2.5	3.5	3.3	4.2	3.2	3.5	3.0
Australia	1.3	2.2	3.1	2.9	3.8	2.8	3.2	2.8
Africa	1.8	3.3	2.5	5.0	6.3	6.2	5.3	5.5
Sub-Saharan Africa	1.2	1.5	1.5	2.3	4.1	4.7	2.5	3.3
Other Africa	0.6	1.8	1.0	2.7	2.2	1.5	2.7	2.2
Other ^c	16.2	0.0	11.1	10.8	10.1	10.2	8.5	10.4

^a Austria, Finland and Sweden are included in EU15 for the whole period.

^b Unified Germany.

^c Consists primarily of imports for which no source is specified. For 1980, consists primarily of imports from special categories.

Note Year beginning 1 April.

Source: UNSD, Comtrade database (SITC Rev.1).

Table AI.7

India's intra-industry trade with the world by the GATT Tariff Study Categories, 1980/81, 1990/91 and 1995/96

T.S Code ^a	Description	Number of SITC lines	Intra-industry trade (per cent)		
			1980/81	1990/91	1995/96
	All categories	804	13.81	27.99	27.80
01	Raw hides and skins, leather and furskins	24	0.81	15.14	16.45
02	Rubber	13	36.23	17.13	19.50
03	Wood and cork	28	16.73	4.10	12.34
04	Pulp, paper and paperboard	27	10.16	9.04	28.41
05	Textiles and clothing	79	1.59	6.60	7.70
06	Mineral products and fertilizers	64	4.26	7.02	7.99
07	Precious stones and precious metals	17	94.76	85.94	58.42
08	Ores and metals	115	12.23	21.62	36.65
09	Coal, petroleum, natural gas	22	1.04	14.87	2.69
10	Chemicals	72	27.80	39.19	47.15
11	Non-electrical machinery	45	34.48	41.79	33.14
12	Electrical machines and apparatus	21	43.01	37.15	44.13
13	Transport equipment	31	17.83	28.91	25.42
14	Professional, scientific and controlling instruments, photographic apparatus, clocks and watches	17	19.50	23.09	24.01
15	Footwear and travel goods	5	0.50	4.01	5.76
16	Photographic and cinematographic supplies	5	8.17	5.85	7.02
17	Furniture	2	27.79	95.51	91.41
18	Musical instruments, sound recording or reproduction apparatus	6	72.86	51.35	85.05
19	Toys	3	4.64	26.66	32.60
20	Works of art and collectors pieces	4	0.51	0.17	4.08
21	Firearms, ammunition, tanks and other armoured fighting vehicles	4	26.62	29.59	32.32
22	Office and stationery supplies	3	43.55	90.07	49.38
23	Manufactured articles not elsewhere specified	15	19.28	31.87	31.73
24	Foodstuffs	63	13.11	16.70	34.61
25	Grains	13	21.07	22.18	0.43
26	Animals and products thereof	24	0.83	0.30	0.20
27	Oil seeds, fats and oils and their products	36	1.07	3.21	4.30
28	Cut flowers, plants, vegetable materials	6	11.54	29.80	21.42
29	Beverages and spirits	8	9.06	67.00	68.57
30	Dairy products	8	2.78	35.43	58.59
31	Fish, shellfish and products	6	4.26	0.01	1.62
32	Tobacco	6	0.24	1.30	7.56
33	Other agricultural products of animal origin	4	7.29	9.45	28.89
34	Other agricultural products of vegetable origin	8	2.66	17.82	26.04

a WTO tariff study categories.

Note: Calculations by WTO Secretariat using the Grubel and Lloyd formula (at 4-digit SITC level).

$$IIT_g = \frac{\sum_{i=1}^n \sum_{j=1}^n [(X_{ij} + M_{ij}) - |X_{ij} - M_{ij}|]}{\sum_{i=1}^n \sum_{j=1}^n [(X_{ij} + M_{ij})]}$$

where X, M are exports and imports, and i and j represent, respectively, commodities and trading partners for which trade is being summed. If all traded goods in a sector are either only exported or only imported, then the intra-industry trade ratio would be zero. If, for all commodities in a sector, exports equal imports, then intra-industry trade is 100 per cent.

Note Year beginning 1 April.

Source: Calculations by WTO Secretariat using 4-Digit SITC Rev.1 data from the UNSD Comtrade database.

Table AI.8

India's intra-industry trade with the European Union by the GATT Tariff Study Categories, 1980/81, 1990/91 and 1995/96

T.S Code ^a	Description	Number of SITC lines	Intra-industry trade (per cent)		
			1980/81	1990/91	1995/96
	All categories	804	11.81	21.15	24.52
01	Raw hides and skins, leather and furskins	24	0.98	8.42	10.05
02	Rubber	13	16.24	13.23	26.51
03	Wood and cork	28	28.32	4.81	24.20
04	Pulp, paper and paperboard	27	4.28	3.65	9.70
05	Textiles and clothing	79	1.29	1.89	3.09
06	Mineral products and fertilizers	64	3.79	6.78	12.39
07	Precious stones and precious metals	17	47.30	49.70	59.72
08	Ores and metals	115	6.90	20.77	30.70
09	Coal, petroleum, natural gas	22	0.00	0.00	0.82
10	Chemicals	72	21.63	38.66	45.81
11	Non-electrical machinery	45	7.79	10.48	13.38
12	Electrical machines and apparatus	21	8.83	11.86	30.00
13	Transport equipment	31	4.81	15.67	30.39
14	Professional, scientific and controlling instruments, photographic apparatus, clocks and watches	17	21.80	7.54	14.03
15	Footwear and travel goods	5	0.08	4.88	6.62
16	Photographic and cinematographic supplies	5	7.31	7.00	4.41
17	Furniture	2	83.50	38.00	74.86
18	Musical instruments, sound recording or reproduction apparatus	6	40.82	64.70	85.00
19	Toys	3	2.34	25.66	14.17
20	Works of art and collectors pieces	4	0.27	0.05	5.32
21	Firearms, ammunition, tanks and other armoured fighting vehicles	4	18.85	31.53	24.85
22	Office and stationery supplies	3	57.93	58.07	89.18
23	Manufactured articles not elsewhere specified	15	32.33	24.22	21.21
24	Foodstuffs	63	1.07	0.83	3.75
25	Grains	13	0.14	0.00	0.67
26	Animals and products thereof	24	1.53	14.22	0.81
27	Oil seeds, fats and oils and their products	36	0.14	0.27	2.62
28	Cut flowers, plants, vegetable materials	6	6.28	12.04	15.25
29	Beverages and spirits	8	0.83	19.28	7.13
30	Dairy products	8	0.00	5.32	21.15
31	Fish, shellfish and products	6	0.35	0.01	0.00
32	Tobacco	6	0.06	0.10	3.51
33	Other agricultural products of animal origin	4	11.06	13.89	11.89
34	Other agricultural products of vegetable origin	8	0.39	30.28	21.28

a WTO tariff study categories.

Note Calculations by WTO Secretariat using the Grubel and Lloyd formula (at 4-digit SITC level).

$$IIT_g = \frac{\sum_{i=1}^n \sum_{j=1}^n [(X_{ij} + M_{ij}) - |X_{ij} - M_{ij}|]}{\sum_{i=1}^n \sum_{j=1}^n [(X_{ij} + M_{ij})]}$$

where X, M are exports and imports, and i and j represent, respectively, commodities and trading partners for which trade is being summed. If all traded goods in a sector are either only exported or only imported, then the intra-industry trade ratio would be zero. If, for all commodities in a sector, exports equal imports, then intra-industry trade is 100 per cent.

Note Year beginning 1 April.

Source: Calculations by WTO Secretariat using 4-Digit SITC Rev.1 data from the UNSD Comtrade database.

Table AI.9

India's intra-industry trade with the United States by the GATT Tariff Study Categories, 1980/81, 1990/91 and 1995/96

T.S Code ^a	Description	Number of SITC lines	Intra-industry trade (per cent)		
			1980/81	1990/91	1995/96
	All categories	804	4.80	14.04	18.89
01	Raw hides and skins, leather and furskins	24	0.22	11.58	13.76
02	Rubber	13	9.64	7.23	14.41
03	Wood and cork	28	1.83	5.84	14.72
04	Pulp, paper and paperboard	27	7.48	3.41	10.25
05	Textiles and clothing	79	0.36	0.66	1.25
06	Mineral products and fertilizers	64	1.51	0.81	2.83
07	Precious stones and precious metals	17	7.90	10.09	9.62
08	Ores and metals	115	13.11	12.45	18.90
09	Coal, petroleum, natural gas	22	...	0.00	0.00
10	Chemicals	72	8.54	20.13	34.49
11	Non-electrical machinery	45	10.74	19.60	32.78
12	Electrical machines and apparatus	21	18.43	13.83	38.18
13	Transport equipment	31	1.27	32.42	6.77
14	Professional, scientific and controlling instruments, photographic apparatus, clocks and watches	17	6.66	8.68	14.76
15	Footwear and travel goods	5	1.98	4.95	3.23
16	Photographic and cinematographic supplies	5	12.83	5.35	16.37
17	Furniture	2	80.56	43.19	60.07
18	Musical instruments, sound recording or reproduction apparatus	6	34.39	45.65	89.04
19	Toys	3	3.13	64.33	58.12
20	Works of art and collectors pieces	4	0.81	0.31	2.80
21	Firearms, ammunition, tanks and other armoured fighting vehicles	4	18.18	41.79	0.00
22	Office and stationery supplies	3	17.98	35.56	30.05
23	Manufactured articles not elsewhere specified	15	38.62	78.81	70.94
24	Foodstuffs	63	6.80	28.39	33.29
25	Grains	13	0.00	73.12	0.00
26	Animals and products thereof	24	0.14	0.00	0.00
27	Oil seeds, fats and oils and their products	36	0.04	0.61	9.81
28	Cut flowers, plants, vegetable materials	6	1.51	6.78	4.72
29	Beverages and spirits	8	0.00	2.80	16.46
30	Dairy products	8	0.00	0.00	9.10
31	Fish, shellfish and products	6	0.00	0.00	0.00
32	Tobacco	6	6.11	0.36	37.33
33	Other agricultural products of animal origin	4	5.32	11.92	9.78
34	Other agricultural products of vegetable origin	8	4.26	69.75	34.96

a WTO tariff study categories.

... Means no trade.

Note Calculations by WTO Secretariat using the Grubel and Lloyd formula (at 4-digit SITC level).

$$IIT_g = \frac{\sum_{i=1}^n \sum_{j=1}^n [(X_{ij} + M_{ij}) - |X_{ij} - M_{ij}|]}{\sum_{i=1}^n \sum_{j=1}^n [(X_{ij} + M_{ij})]}$$

where X, M are exports and imports, and i and j represent, respectively, commodities and trading partners for which trade is being summed. If all traded goods in a sector are either only exported or only imported, then the intra-industry trade ratio would be zero. If, for all commodities in a sector, exports equal imports, then intra-industry trade is 100 per cent.

Note Year beginning 1 April.

Source: Calculations by WTO Secretariat using 4-Digit SITC Rev.1 data from the UNSD Comtrade database.

Table AII.1
Consumer goods sectors in which dividend balancing is required

Manufacture of food and food products	Soft drinks and carbonated water industry
Manufacture of dairy products	Manufacture of cigars, cigarettes, cheroot and cigarette tobacco
Grain mill products	Manufacture of wood and wood products, furniture and fixtures
Manufacture of bakery products	Manufacture of leather and fur/leather products
Manufacture and refining of sugar (vacuum pan sugar factories)	Tanning, curing, finishing, embossing and japanning of leather
Production of common salt	Manufacture of footwear (excluding repair) except vulcanized or moulded rubber or plastic footwear
Manufacture of hydrogenated oil (Vanaspati)	Manufacture of footwear made primarily of vulcanized or moulded products
Tea processing	Prophylactics (rubber contraceptives)
Coffee	Motor cars
Manufacture of beverages, tobacco and tobacco products	Entertainment electronics
Distilling, rectifying and blending of spirits, wine industries, malt liquors and malt, production of country liquors and toddy	White goods

Source: Government of India (1996d), Handbook of Industrial Policy and Statistics.

Table AIII.1

Effective tariff and bindings, by HS chapter

(Per cent)

HS (2-digit)	N° of lines	Description	1995/96 Imports (% of total)	Simple effective rate ^a (October 1997)			Bound rates ^b (by year 2005)	
				Simple average	Range	Standard dev.	Simple average	Range
Total	5106		100.0	34.9	0-260	14.7	54.0	0-300
01	17	Live animals	0.0	38.5	0-45	15.3	100.0	100-100
02	53	Meat and edible meat offal	0.0	15.0	15-15	0	106.0	100-150
03	87	Fish & crustacean, mollusc & other aquatic invertebrate	0.0	15.0	15-15	0	(not bound)	
04	27	Dairy prod; birds eggs; natural honey; edible prod nes	0.1	32.4	0-35	9.3	128.0	0-150
05	17	Products of animal origin, nes or included	0.0	15.0	15-15	0	100.0	100-100
06	12	Live tree & other plant; bulb, root; cut flowers, etc.	0.0	12.1	10-15	2.6	119.2	100-150
07	56	Edible vegetables and certain roots and tubers	0.6	13.2	5-15	2.9	109.6	100-150
08	55	Edible fruit and nuts; peel of citrus fruit or melons	1.0	44.7	0-127	13.6	105.4	30-150
09	32	Coffee, tea, maté and spices	0.1	29.4	15-35	9.1	136.7	100-150
10	16	Cereals	0.0	0.0	0-0	0	47.2	0-100
11	34	Prod mill indust; malt; starches; inulin; wheat gluten	0.0	34.4	15-35	3.4	136.8	100-150
12	44	Oil seed, oleagi fruits; miscell grain, seed, fruit, etc.	0.1	35.9	10-45	14.2	103.4	100-150
13	12	Lac; gums, resins & other vegetable saps & extracts	0.1	41.7	25-45	7.8	100.0	100-100
14	10	Vegetable plaiting materials; vegetable products nes	0.0	15.0	15-15	0	100.0	100-100
15	46	Animal/veg fats & oils & their cleavage products, etc.	2.2	35.7	15-45	5.3	218.5	15-300
16	26	Prep of meat, fish or crustaceans, molluscs, etc.	0.0	45.0	45-45	0	127.4	55-150
17	16	Sugars and sugar confectionery	0.2	33.1	0-45	17.1	133.3	100-150
18	11	Cocoa and cocoa preparations	0.0	36.8	35-45	4	127.3	100-150
19	17	Prep of cereal, flour, starch/ milk; pastrycooks products	0.1	43.2	15-45	7.3	141.7	17.5-150
20	44	Prep of vegetable, fruit, nuts or other parts of plants	0.0	45.0	45-45	0	150.0	150-150
21	16	Miscellaneous edible preparations	0.2	54.2	45-192	36.8	150.0	150-150
22	22	Beverages, spirits and vinegar	0.0	143.4	15-260	94.1	150.0	150-150
23	25	Residues & waste from the food indust; prepr animal fodder	0.1	41.4	0-45	12.5	104.2	100-150
24	9	Tobacco and manufactured tobacco substitutes	0.0	45.0	45-45	0	150.0	150-150
25	74	Salt; sulphur; earth & stone plastering mat; lime & cem	1.3	32.0	0-45	8.9	38.2	2.5-40
26	34	Ores, slag and ash	0.6	11.0	10-35	4.4	30.2	25-40
27	40	Mineral fuels, oils & products of their distillation, etc.	25.4	22.8	0-35	11.4	25.0	25-25
28	187	Inorgn chem; compds of prec met, radioact elements, etc	2.5	34.5	0-45	4.2	39.8	25-40

Table AIII.1 (cont'd)

HS (2-digit)	N° of lines	Description	1995/96 Imports (% of total)	Simple effective rate ^a (October 1997)			Bound rates ^b (by year 2005)	
				Simple average	Range	Standard dev.	Simple average	Range
29	315	Organic chemicals	5.8	33.5	15-45	5.2	39.9	25-150
30	29	Pharmaceutical products	0.3	33.8	0-35	6.5	38.8	25-42.5
31	26	Fertilizers	4.0	20.6	0-35	17.2	4.5	0-5
32	46	Tanning/dyeing extract; tannins & derivs; pigm etc.	0.4	34.1	15-45	5.5	39.0	25-40
33	35	Essential oils & resinoids; perf, cosmetic/toilet prep	0.1	44.6	25-52	3.6	136.3	40-150
34	23	Soap, organic surface-active agents, washing prep, etc.	0.2	45.0	45-45	0	40.0	40-40
35	15	Albuminoid subs; modified starches; glues; enzymes	0.1	35.0	35-35	0	83.5	40-150
36	8	Explosives; pyrotechnic prod; matches; pyrop alloy; etc.	0.0	35.0	35-35	0	40.0	40-40
37	36	Photographic or cinematographic goods	0.5	29.2	15-30	3.5	40.0	40-40
38	69	Miscellaneous chemical products	0.7	34.6	25-35	1.7	43.9	40-150
39	126	Plastics and articles thereof	2.8	35.0	35-35	0	40.0	40-40
40	72	Rubbers and articles thereof	0.9	43.3	3-45	6.7	38.0	3-40
41	34	Raw hides and skins (other than furskins) and leather	0.4	2.9	0-25	8.2	26.8	25-40
42	22	Articles of leather; saddlery/harness; travel goods etc.	0.0	45.0	45-45	0	(not bound)	
43	18	Furskins and artificial fur; manufactures thereof	0.0	18.3	0-45	13.2	76.0	40-100
44	68	Wood and articles of wood; wood charcoal	0.7	28.8	0-35	13.4	36.5	25-40
45	7	Cork and articles of cork.	0.0	35.0	35-35	0	40.0	40-40
46	6	Manufactures of straw, esparto/other plaiting mat; etc.	0.0	45.0	45-45	0	(not bound)	
47	20	Pulp of wood/of other fibrous cellulosic mat; waste etc.	0.8	3.0	0-10	4.7	28.2	25-40
48	109	Paper & paperboard; art of paper pulp, paper/paperboard	1.4	33.5	10-45	10.2	39.8	25-40
49	19	Printed books, newspapers, pictures & other product etc.	0.3	15.8	0-25	12.4	25.0	25-25
50	10	Silk	0.3	35.0	35-35	0	100.0	100-100
51	36	Wool, fine/coarse animal hair, horsehair yarn & fabric	0.5	38.9	25-45	9.3	59.8	25-100
52	131	Cotton	0.5	41.3	0-45	7.2	41.0	25-150
53	31	Other vegetable textile fibres; paper yarn & woven fabric	0.1	37.3	0-45	10	52.4	40-100
54	66	Man-made filaments	0.4	41.4	35-55	5.2	40.0	40-40
55	115	Man-made staple fibres	0.5	43.3	30-45	3.9	40.0	40-40
56	34	Wadding, felt & nonwoven; yarns; twine, cordage, etc.	0.1	45.0	45-45	0	40.0	40-40
57	23	Carpets and other textile floor coverings	0.0	45.9	45-55	2.9	(not bound)	
58	41	Special woven fab; tufted tex fab; lace; tapestries etc.	0.1	44.3	30-45	3.3	40.0	40-40
59	25	Impregnated, coated, cover/laminated textile fabric etc.	0.2	45.0	45-45	0	40.0	40-40

Table AIII.1 (cont'd)

HS (2-digit)	N° of lines	Description	1995/96 Imports (% of total)	Simple effective rate ^a (October 1997)			Bound rates ^b (by year 2005)	
				Simple average	Range	Standard dev.	Simple average	Range
60	18	Knitted or crocheted fabrics	0.0	45.0	45-45	0	(not bound)	
61	114	Art of apparel & clothing access, knitted or crocheted	0.0	45.0	45-45	0	(not bound)	
62	119	Art of apparel & clothing access, not knitted or crocheted	0.0	45.0	45-45	0	(not bound)	
63	59	Other made up textile articles; sets; worn clothing etc.	0.1	44.2	30-45	3.3	(not bound)	
64	29	Footwear, gaiters and the like; parts of such articles	0.1	45.0	45-45	0	(not bound)	
65	11	Headgear and parts thereof	0.0	45.0	45-45	0	(not bound)	
66	7	Umbrellas, walking-sticks, seat-sticks, whips, etc.	0.0	45.0	45-45	0	(not bound)	
67	8	Prepr feathers & down; arti flower; articles human hair	0.0	45.0	45-45	0	(not bound)	
68	52	Art of stone, plaster, cement, asbestos, mica/sim mat	0.1	44.4	35-45	2.4	40.0	40-40
69	29	Ceramic products	0.1	43.7	32-45	4	37.6	25-40
70	65	Glass and glassware	0.2	45.0	45-45	0	40.0	40-40
71	52	Natural/cultured pearls, prec stones & metals, coin etc.	8.8	40.8	0-45	12.7	40.0	40-40
72	171	Iron and steel	4.8	33.5	10-35	4.3	39.7	25-40
73	122	Articles of iron or steel	1.0	35.0	35-35	0	40.0	40-40
74	58	Copper and articles thereof	1.8	35.0	35-35	0	(not bound)	
75	17	Nickel and articles thereof	0.3	15.0	15-15	0	39.0	25-40
76	36	Aluminium and articles thereof	0.8	25.0	25-25	0	(not bound)	
78	10	Zinc and articles thereof	0.1	35.0	35-35	0	(not bound)	
79	10	Tin and articles thereof	0.2	35.0	35-35	0	(not bound)	
80	8	Other base metals; cermets; articles thereof	0.1	25.0	25-25	0	38.3	25-40
81	36	Tool, implement, cutlery, spoon & fork, of base met etc.	0.2	35.0	35-35	0	39.1	25-40
82	66	Miscellaneous articles of base metal	0.2	32.5	30-45	5.6	33.8	25-42.5
83	36	Nuclear reactors, boilers, mchy & mech appliance; parts	0.1	45.0	45-45	0	(not bound)	
84	503	Electrical mchy equip parts thereof; sound recorder etc.	12.4	26.8	10-45	5.8	30.2	3-40
85	292	Railw/tramw locom, rolling-stock & parts thereof; etc.	6.1	35.9	15-45	9.7	36.9	25-40
86	24	Vehicles o/t railw/tramw roll-stock, pts & accessories	0.1	39.4	30-45	7.4	40.0	40-40
87	76	Aircraft, spacecraft, and parts thereof	1.4	44.4	0-45	5.2	40.0	40-40
88	15	Ships, boats and floating structures	1.4	18.6	0-45	22.3	22.2	3-40
89	17	Optical, photo, cine, meas, checking, precision, etc.	0.3	19.1	0-45	22.4	30.0	25-40
90	160	Clocks and watches and parts thereof	2.1	31.8	15-55	9.5	38.1	25-40

Table AIII.1 (cont'd)

HS (2-digit)	N° of lines	Description	1995/96 Imports (% of total)	Simple effective rate ^a (October 1997)			Bound rates ^b (by year 2005)	
				Simple average	Range	Standard dev.	Simple average	Range
91	55	Musical instruments; parts and access of such articles	0.1	38.8	30-45	7	40.0	40-40
92	23	Arms and ammunition; parts and accessories thereof	0.0	35.0	35-35	0	(not bound)	
93	17	Furniture; bedding, mattress, matt support, cushion etc.	0.0	45.0	45-45	0	(not bound)	
94	37	Toys, games & sports requisites; parts & access thereof	0.1	45.0	45-45	0	(not bound)	
95	43	Miscellaneous manufactured articles	0.0	30.0	30-30	0	40.0	40-40
96	50	Miscellaneous manufactured articles	0.1	45.0	45-45	0	(not bound)	
97	7	Works of art, collectors pieces and antiques	0.0	38.6	0-45	17	(not bound)	

a Effective m.f.n. rates (i.e. actual rates applied where standard tariff levels have been reduced by exempt rates). Many exempt rates have not been incorporated into effective duties (such as where the exempt rate applies to only part of the HS six-digit tariff line; and specific exemptions).

b Bindings undertaken in the Uruguay Round; rates shown are those at the end of the implementation period, i.e. the year 2005.

Note: Tariff averages considering tariff lines with ad valorem rates. Year beginning 1 April.

Source: WTO Secretariat.

Table AIII.2
End-use concessional tariff

Chapter/ Heading/ Subheading No.	Specified use eligible for concession	Description of items eligible for concessional entry	Concessional tariff rate (%)
22	The church	Wine, for use as sacramental wine.	45
27.10 or 2714.90	The fertiliser industry	All goods, for the manufacture of fertilisers.	0
2711.11 or 2714.90	The power industry	All goods, for the purpose of power generation.	0
28 or 29	The centchroman industry	Chemicals, for use in the manufacture of Centchroman.	0
28	The fertiliser industry	Phosphoric acid, for the manufacture of fertilisers.	0
28	As above	Anhydrous ammonia, for the manufacture of fertilisers.	0
28	The raw cubic zirconia industry	Zirconium oxide or Yttrium oxide, for the manufacture of raw cubic zirconia.	15
29	The Enzyme Linked Immunoabsorbent Assay Kits (ELISA Kits) industry	The following goods, for the manufacture of Enzyme Linked Immunoabsorbent Assay Kits (ELISA Kits): i) Plastic ELISA plates; ii) Deactivated positive control sera against human and animal diseases; iii) Enzyme horse raddish peroxidase; iv) Enzyme Alkaline phosphatase; v) Enzyme glucose oxidase; vi) Animal antihuman immunoglobins; vii) Protein A or Protein A Gold Conjugates; viii) Polystyrene latex beads; ix) Deactivated enzyme labelled human anti HIV reagent.	0
3102.10	The manurial industry	Urea, for use as manure.	0
31	As above	Kyanite salts, in a form indicative of their use for manurial purpose.	0
31	The fertiliser industry	Muriate of potash, for use as manure or for the production of complex fertilisers.	0
31	The manurial and fertilizer industries	Ammonium phosphate or ammonium nitrophosphate, for use as manure or for the production of complex fertilisers.	0
3105.30	As above	Diammonium phosphate, for use as manure or for the production of complex fertilisers.	0
31	The manurial industry	Potassium Nitrate, in a form indicative of its use for manurial purpose.	0
37	The education system	Film strips and film slides for educational purposes.	15
39.20	The medical and industrial X-ray films and graphic art films industry	Subbed polyester base imported for the manufacture of medical and industrial X-ray films and graphic art films.	25
39, 44, 45, 54, 56 or 95	The sports goods industry	The following goods for use in the manufacture of sports goods, namely: (1) Nylon gut falling under Chapter 39, 54 or 56; (2) Willow clefts, ashwood or beechwood falling under Chapter 44; (3) Cork bottoms falling under Chapter 45 or 95.	15
49	UNICEF	Greeting cards, diaries and calendars, and corresponding number of envelopes for such greeting cards, diaries and calendars, imported by the United Nations International Children's Emergency Fund (UNICEF).	0
49.07	The Reserve Bank of India	Printed Indian Bank Notes, imported by the Reserve Bank of India.	0
51.01	State Handloom Development Corporation, the Khadi and Village Industries Commission, State Khadi and Village Industries Board, and registered Apex State Level Khadi Federations	Raw wool, imported by a registered Apex Handloom Cooperative Society, a State Handloom Development Corporation, the Khadi and Village Industries Commission, a State Khadi and Village Industries Board or a registered Apex State Level Khadi Federation.	0

Table AIII.2 (cont'd)

Chapter/ Heading/ Subheading No.	Specified use eligible for concession	Description of items eligible for concessional entry	Concessional tariff rate (%)
64 or any other chapter	The leather industry	The following goods for use in the leather industry, namely: (1) Parts, consumables and other items specified in List 3(A); (2) Other parts, consumables and items specified in List 3(B).	25
70.15	The optical lenses industry	Ophthalmic blanks, for manufacture of optical lenses.	25
70.19	The pollution control industry	Glass fibre sewing thread and glass fibre filter cloth, for manufacture of goods intended for pollution control purposes.	0
71	Banks	Foreign currency coins when imported into India by a Scheduled bank.	0
72	The tin plates industry	Tin mill black plate (TMBP) coils, for the manufacture of tin plates only.	25
72.03	The furnace industry	Hot briquetted iron (HBI) and sponge iron, imported by or on behalf of an electric arc furnace unit or induction furnace unit.	25
72.04	As above	Melting scrap of iron or steel (other than stainless steel or heat resisting steel), for use in electric arc furnace or induction furnace or melting in a hot blast cupola or for supply to a unit for use in electric arc furnace or induction furnace or melting in a hot blast cupola.	10
84	Legally entitled authorities	Fogging machines imported by a Municipal Committee, District Board, or other authority legally entitled to, or entrusted by the Government with, the control or management of a Municipal Fund, for use in combating malaria and other mosquito borne diseases.	0
84 or 90	The leather industry	Goods specified in List 6, designed for use in the leather industry.	25
84 or any other chapter	The fuel injection equipment industry	The following goods, when imported up to an inclusive of the 31st day of March, 1998, namely: (A) Parts of fuel injection equipment (including those in semi-knocked down packs or completely knocked down packs) for manufacture of fuel injection equipment; (B) Parts of fuel injection equipment for providing warranty coverage or after sales service (free of cost or otherwise) to customers by the manufacturer of fuel injection equipment; (C) Parts (other than raw materials) for manufacture of goods specified at (A) above; (D) Machinery tools and apparatus falling under Chapter 82, 84, 85 or 90 for manufacture of fuel injection equipment	25
84, 85 or any other chapter	The wind operated electricity generators industry	The following goods: (i) Wind operated electricity generators up to 30 KW and wind operated battery chargers up to 30 KW; (ii) Parts of wind operated electricity generators, for manufacture of wind operated electricity generators, namely: (a) Special bearings, (b) Gear box, (c) Yaw components, (d) Sensors, (e) Parts of the goods specified at (a) to (d) above; (iii) Parts of wind operated electricity generators, for manufacture of wind operated electricity generators, namely: (a) Brake hydraulics, (b) Flexible coupling, (c) Brake calipers, (d) wind turbine controllers, (e) Parts of the goods specified at (a) to (d) above; (iv) Blades for rotor of wind operated electricity generators, for manufacture of wind operated electricity generators; and (v) Parts and raw materials for manufacture of blades for rotor of wind operated electricity generators.	0-25
84, 85 or any other chapter	The fertiliser industry	(A) Machinery, instruments, apparatus and appliances, as well as parts (whether finished or not) or raw materials for the manufacture of aforesaid items and their parts, required for renovation or modernisation of a fertiliser plant; and	0
	As above	(B) Spare parts, other raw materials (including semi finished material) or consumables stores, essential for maintenance of the fertiliser plant mentioned above.	
84, 85	The ground power units and air jet starters industry	The following goods, for manufacture of ground power units and air jet starters. (1) Diesel engines of 2.400 rpm; (2) Alternators of 400 Hz, 115/200 V and 2.400 rpm; (3) Oil free dry screw compressor.	15

Table AIII.2 (cont'd)

Chapter/ Heading/ Subheading No.	Specified use eligible for concession	Description of items eligible for concessional entry	Concessional tariff rate (%)
84 or any other chapter	The Reserve Bank of India or Bhartiya Reserve Bank Note Mudran Private Limited	The following goods, namely: (1) Plant, machinery equipment, special tools, tackles spares (including insurance spares), consumables and security surveillance systems imported by or on behalf of the Reserve Bank of India or Bhartiya Reserve Bank Note Mudran Private Limited for the setting up of New Note Press projects at Salboni in West Bengal and at Mysore in Karnataka; (2) Plant, machinery, equipment, spares (including insurance spares) and consumables imported by or on behalf of the Reserve Bank of India for expansion and modernisation of the Currency Note Press at Nasik in Maharashtra and the Bank Note Press at Dewas in Madhya Pradesh.	0
84 or any other chapter	The solar energy equipments industry	The following goods, namely: a) Vacuum tube solar collectors, concentrating solar collectors, plastic collectors or stirling engines, for manufacture of solar energy equipments; b) Linear actuators for tracking systems, Fresnel lenses or sun sensors, for manufacture of concentrating solar collectors.	15
84 or 85	The outboard motors industry	Spares, supplied with outboard motors for maintenance of such outboard motors.	10
Any chapter	The button cells industry	Raw materials or parts, for manufacture of button cells.	25
84 or any other chapter	Green House	Goods specified in List 8 required for use in a Green House.	30
84 or any other chapter	Airports Authority of India	Navigational, communication, air traffic control and landing equipments and spares for maintenance of such equipments when imported by Airports Authority of India.	25
84 or any other chapter	The hotel industry	Goods specified in List 9 required for the initial setting up of a hotel or for substantial expansion of a hotel.	30
72, 73, 84, 85 or 90	The power generation plant industry	All goods, for renovation for or modernisation of a power generation plant (other than captive power generation plant).	25
72, 73, 84, 85 or 90	As above	All goods, imported by a manufacturer-supplier for the manufacture and supply of machinery and equipment to a power generation plant (other than captive power generation plant).	15
84, 85 or 90	The textile industry	The machinery or equipment specified in List 10, required for textile industry.	15
Any chapter	As above	Parts, for manufacture of the machinery/ equipment which is specified in List 10.	15
84, 85 or any other chapter	The on-shore or off-shore oil exploration or exploitation industry	Goods specified in, (1) List 11(A) for on-shore or off-shore oil exploration or exploitation (2) List 11(B) for on-shore oil exploration or exploitation (3) List 11(C) for off-shore oil exploration or exploitation.	25
84 or any other chapter	As above	Parts and raw materials for manufacture of goods to be supplied in connection with the purposes of off-shore oil exploration or exploitation.	0
84 or any other chapter	The petroleum industry	Goods specified in List 12 required in connection with petroleum operations undertaken operations undertaken under specified contracts.	0
Any chapter	Hazira-Bijapur - Jagdishpur (H-B-J) Gas Pipeline Project	Goods required for the Hazira-Bijapur - Jagdishpur (H-B-J) Gas Pipeline Project.	35
68, 82 or 84	The electronic parts industry	Moulds (including chases for the manufacture of semi-conductor devices), tools (excluding tungsten carbide micro PCB drills) and dies, for the manufacture of electronic parts.	30
84, 85 or 90	As above	The goods specified in List 13, for the manufacture of goods falling under heading Nos. 85.41 or 85.42.	15

Table AIII.2 (cont'd)

Chapter/ Heading/ Subheading No.	Specified use eligible for concession	Description of items eligible for concessional entry	Concessional tariff rate (%)
84.71 or 85.04	Research institutions	Computer peripheral devices and power supply units supplying power under the control of computer system to which they belong, for the manufacture of computer systems to be supplied to a research institution only.	0
85, 90 or any other chapter	Foreign film unit or television team	Television equipment, cameras and other equipment for taking films, imported by a foreign film unit or television team.	0
28, 38, 85 or 98	The undiffused silicon wafers; solar cells or solar cell modules; photo-voltaic applications industries	The following goods, namely (A) Silicon in all forms, that is, polycrystalline silicon or ingots, for the manufacture of undiffused silicon wafers; (B) Undiffused silicon wafers, for the manufacture of solar cells or solar cell modules; (C) Solar cells and modules and photo-voltaic systems, for the manufacture of photo-voltaic applications.	15-35
28, 29, 84, 85 or 90	The laser and laser based instrumentation industry	The goods specified in List 16, for the manufacture of laser and laser based instrumentation.	0
85 or 90	Handicapped persons	Closed Circuit Television System used as Low Vision Aid for visually handicapped persons.	15
85 or any other chapter	Licensed amateur radio amateur radio operator	The wireless apparatus, accessories and partes specified in List 18, imported by a licensed amateur radio amateur radio operator.	25
85 or any other chapter	The airport industry	Parts, sub-assemblies, SKD kits, CKD kits of Approach Surveillance Radar (ASR) and Mode-S Monopulse Secondary Surveillance Radar (MSSR) and spares for maintenance of such equipment, required for the modernisation of airport facilities.	30
85 or any other chapter	Industrial plant based on membrane cell technology	The following goods, namely: (1) Mono or Bi polar Membrane Electrolysers and parts thereof including secondary brine purification components, jumper switches, filtering elements for hydrogen filters and any other machinery, required for modernisation of an existing caustic soda unit based on membrane cell technology; (2) Membranes for replacement of worn out membranes in an industrial plant based on membrane cell technology.	30
85.24	University Grants Commission	Recorded magnetic tapes, Compact Disc - Read Only Memory (CD-ROMS) and floppy diskettes, imported by the University Grants Commission for use in computers.	0
85 or any other chapter	Specified test centres	Goods imported for being tested in specified test centres.	0
87	Crippled and disabled persons	Tricycles designed for use by crippled and disabled persons.	15
Any chapter	The fire services	The goods specified in List 19, imported by the Fire Services administered by the Central Government or the Government of any State or the administration of any Union territory or a local body for fire fighting operations.	0
Any chapter	The aircraft industry	Raw material and parts, required for the manufacture of aircrafts to be used for training purposes.	30
Any chapter	As above	Raw materials for manufacture of (i) aircrafts falling under heading No. 88.02; (ii) parts of aircrafts at (i) above	8
Any chapter	The shipping industry	Capital goods and spares thereof, raw materials, parts, material handling equipments and consumables, for repairs of ocean-going vessels by a ship repair unit registered with the Director-General of Shipping, Government of India.	0
Any chapter	As above	Raw materials and parts, for use in the manufacture of goods falling under headings Nos. 89.01, 89.02, 89.04, 89.05 (except 8905.20) or 89.06, in accordance with the provisions of Section 65 of the Customs Act, 1962 (52 of 1962).	0

Table AIII.2 (cont'd)

Chapter/ Heading/ Subheading No.	Specified use eligible for concession	Description of items eligible for concessional entry	Concessional tariff rate (%)
28, 29, 32, 39, 70 or 90	The telecommunications industry	The following goods (A) Goods specified in List 20(A), for the manufacture of telecommunication grade optical fibres or optical fibre cables; (B) Fibre reinforced plastic rods FRP, for the manufacture of telecommunication grade optical fibres or optical fibre cables; (C) Goods specified in List 20(B), for manufacture of telecommunication grade FRP.	10-25
84, 85 or 90	Camera men/woman	The following goods, imported by an accredited press cameraman: (i) Photographic cameras; (ii) cinematographic cameras; and (iii) filters, flash light apparatus exposure meters required for use with the aforesaid cameras.	0
90.01	The telecommunication grade optical fibre cables	Optical fibre, for the manufacture of telecommunication grade optical fibre cables.	30
84, 85 or 90	Journalists	The following goods, imported by an accredited journalist: (i) computers including lap top personal; (ii) typewriters; and (iii) fax machines.	0
90 or any other chapter	Live-stock breeding programmes	Goods specified in List 21 for live-stock breeding programmes.	30
90	Fire fighting service	Compressed air breathing apparatus, if imported for fire fighting service.	0
90 or any other chapter	The hearing aids industry	Parts (other than primary cells and primary batteries) for the manufacture of hearing aids including deaf aids.	15
Any chapter	Hospitals	Hospital Equipment (equipment, apparatus and appliances, including spare parts and accessories thereof, but excluding consumable items) for use in specified hospitals.	0
90 or any other chapter	The medical equipment industry	The following goods: (A) Medical equipment (excluding Foley Balloon Catheters) specified in List 22; (B) Accessories of the medical equipment at (A) above; (C) Parts required for the manufacture of the medical at (A) above and spare parts required for the maintenance of the medical equipment at (A) above.	0
90 or any other chapter	As above	Parts required for the manufacture, and spare parts required for the maintenance, of medical equipment falling under heading No. 90.18 to 90.21 and sub-heading 9022.12, 9022.13, 9022.14 or 9022.21.	15
90 or any other chapter	As above	The following goods: (a) Medical equipment specified in List 23; (b) Parts required for the manufacture of medical equipment at (a) above and spare parts required for the maintenance of the medical equipment at (a) above.	0
90 or any other chapter	Handicapped or disabled	Goods specified in List 26 imported by a handicapped or disabled person for his personal use.	0
91	The braille watches industry	Parts and cases, of Braille watches, for the manufacture of braille watches.	0
91 or any other chapter	The electronic module industry	Parts for the manufacture electronic modules (including semi-knocked down packs and knocked down packs) of analogue, digi-ana and combination type electronic wrist watches (watches which are designed primarily to show the time of the delay, with or without additional features).	30
98.01	Several industries	Goods required for (i) fertiliser projects; (ii) coal mining projects; (iii) captive power plants of 5 MW or more; (iv) power generation projects including gas turbine power projects (excluding captive power plants set up by projects engaged in activities other than in power generation); (v) power transmission projects of 66 KV and above; (vi) other industrial plants or projects.	0-25
Any chapter	Museums	Archaeological specimens, photographs, plaster casts or antiquities, intended for exhibition for public benefit in a museum managed by the Archaeological Survey in India or by a State Government.	0

Source: Academy of Business Studies (1997), Easy Reference Customs Tariff 1997/98, Schedule I (Government notification No. 011 of 01.03.97).

Table AIII.3
Imports licensed (restricted) in India, 1 April 1997

Description of items	Nature of restriction
A. CONSUMER GOODS	
All consumer goods, howsoever described, of industrial, agricultural, mineral or animal origin whether in semi- or completely-knocked-down condition or ready to assemble sets or in finished form.	Not permitted to be imported except against a licence or in accordance with a Public Notice issued in this behalf.
For the removal of doubts, it is hereby declared that consumer goods shall also include the following and shall not be imported except against a licence or in accordance with a Public Notice:	
(i) consumer electronic goods, equipments and systems, howsoever described;	
(ii) consumer telecommunication equipments namely telephone instruments and electronic PABX;	
(iii) watches in semi- or completely-knocked-down or assembled condition; watch cases; watch dials;	
(iv) cotton, woollen silk, man-made and blended fabrics including cotton terry towel fabrics;	
(v) concentrates of alcoholic beverages;	
(vi) wines (tonic or medicated);	
(vii) saffron.	
B. PRECIOUS, SEMI-PRECIOUS AND OTHER STONES	
Cubic Zirconia	Import permitted for export against a licence Public Notice issued in this behalf.
Stones: (i) rough diamonds; (ii) synthetic stones finished or unworked (other than synthetic ruby unworked); (iii) emeral/ rubies and sapphires, semi-precious and precious stones and pearls (real or cultured)	As above
Granite, porphyry, basalt, sand stone and other monumental or building stone, whether or not roughly trimmed or merely cut, by sawing or otherwise, into blocks or slabs	As above
Marble, travertine, ecaussine and other calcaeous monumental or building stone of an apparent specific gravity of 2.5 or more, whether or not roughly trimmed or merely cut, by sawing or otherwise, into blocks or slabs	As above
Onyx	As above
C. SAFETY, SECURITY AND RELATED ITEMS	
Paper for security printing, currency paper, stamp paper and other special types of paper	Not permitted to be imported except against a licence or in accordance with a Public Notice issued in this behalf.
Empty/discharged cartridges of all bores/sizes	As above.
Fire arms	Not permitted to be imported except a licence by renowned shooters/Rifle Clubs for their own use on the recommendation of the Depart. of Youth Affairs and Sports, Government of India.
Ammunition	Import permitted against (i) renowned shooters/rifle clubs for their own use in the Department of Youth Affairs and Sports, Government of India; and (ii) dealers for the specified type of ammunition subject to such conditions as may be specified.
Explosives	Government Departments and Public Sector undertakings, on the recommendation of the Controller of Explosives, Government of India, may be permitted to import without a licence. Other categories of importer shall require a licence.

Table AIII.3 (cont'd)

Description of items	Nature of restriction
Chloro Fluoro Hydro Carbons	Not permitted to be imported except against a licence or in accordance with a Public Notice issued in this behalf.
(i) CFCl_3 - (CFC-11) - Trichloro-fluoro-methane	Import is permitted by actual users against a licence from a country which is party to the "Montreal Protocol on Substances that Deplete Ozone Layer". List of the countries which are parties to the Montreal Protocol will be notified by Director General of Foreign Trade from time to time. However, import from countries which are not parties to the Montreal Protocol is prohibited.
(ii) CF_2Cl_2 - (CFC-12) - Dichloro-difluoro-methane	
(iii) $\text{C}_2\text{F}_3\text{Cl}_3$ - (CFC-113) - 1,1,2 trichloro - 1,2,2	
(iv) $\text{C}_2\text{F}_4\text{Cl}_2$ - (CFC-114) - 1,2 Dichloro-tetrafluoro-ethane	
(v) $\text{C}_2\text{F}_5\text{Cl}$ - (CFC-115) - Chloro-pentafluoro-ethane	
(vi) CF_2BrCl - (halon-1211) - Bromo-chloro-difluoro-methane	
(vii) CF_3Br - (halon-1301) - Bromo-trifluoro-methane	
(viii) $\text{C}_2\text{F}_4\text{Br}_2$ - (halon- 2402) - Dibromo-tetrafluoro-ethane	
(i) CF_3Cl (CFC-13) Chloro-trifluoro-methane	
(ii) C_2FCl_5 (CFC-111) Pentachloro-fluoro-ethane	
(iii) $\text{C}_2\text{F}_2\text{Cl}_4$ (CFC-112) Tetrachloro-difluoro-ethane	
(iv) C_3FCl_7 (CFC-211) Heptachloro-difluoro-propane	
(v) $\text{C}_3\text{F}_2\text{Cl}_6$ (CFC-212) Hexachloro-difluoro-propane	
(vi) $\text{C}_3\text{F}_3\text{Cl}_5$ (CFC-213) Pentachloro-trifluoro-propane	
(vii) $\text{C}_3\text{F}_5\text{Cl}_4$ (CFC-214) Tetrachloro-trifluoro-propane	
(viii) $\text{C}_3\text{F}_5\text{Cl}_3$ (CFC-215) Trichloro-pentafluoro-propane	
(ix) $\text{C}_3\text{F}_6\text{Cl}_2$ (CFC-216) Dichloro-hexafluoro-propane	
(x) $\text{C}_3\text{F}_7\text{Cl}$ (CFC-217) Chloro-heptafluoro-propane	
(xi) CCl_4 Carbon-tetrachloride	The Departments of Central Government may be permitted to import against licence. However, import by any other category of importers is prohibited.
(xii) CH_3Cl_3 1, 1, 1-trichloro-ethane (methyl chloroform) ^a	
(i) Communication jamming equipment, static/mobile/manportable	The Departments of Central Government may be permitted to import against licence. However, import by any other category of importers is prohibited.
(ii) Electronic components for (i) above, including antennae, RF power amplifiers, noise generators	
Acetic anhydride	Not permitted to be imported except against a licence or in accordance with Public Notice issued in this behalf.
D. SEEDS, PLANTS AND ANIMALS	
Animals, birds and reptiles (including their parts and products)	Import permitted against a licence to zoos and zoological parks, recognized scientific/research institutions, circus companies, private individuals, on the recommendation of the Chief Wild Life Warden of a State Government subject to the provisions of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES).
Stallions and broodmares	Import permitted against a licence on the recommendation of the Director, Animal Husbandry and Veterinary Services of a State Government or Department of Animal Husbandry and Dairying, Ministry of Agriculture, Government of India.
Livestock (excl. equine), pureline stocks, birds eggs, frozen semen/embryo, rent stock (poultry) and commercial chicks	Import permitted against a licence on the recommendation of the Department of Agriculture and Cooperation, Gov. of India.
Plants, fruit and seeds	(i) Import of seeds of wheat, paddy, coarse cereals, pulses, oilseeds and fodder for sowing is permitted without a licence subject to fulfilment of the provisions of the New Policy on Seed Development of 1988 and in accordance with a permit for import granted under the Plants, Fruits and Seeds (Regulation of Import into India) Order of 1989. (ii) Import of seeds of vegetables, flowers, fruit and plants, tubers and bulbs of flowers, cutting, sapling, budwood, etc., of permit for import granted under the Plants Fruits and Seeds (Regulation of Import into India) Order of 1989. However, import of poppy seeds, if permitted, shall be subject to the condition that importer shall produce a certificate from the competent authority of the country of origin that opium poppy has been grown licitly/legally in that country as per requirements of the International Narcotics Control Bureau

Table AIII.3 (cont'd)

Description of items	Nature of restriction
Plants, fruit and seeds (cont'd)	<p>(iii) Import of seeds, fruit and plants for consumption or other purposes is permitted against a licence or in accordance with a Public Notice issued in this behalf or as per policy indicated in ITC (HS) classifications of exports and imports items. However, import of poppy seeds, if permitted, shall be subject to the condition that importer shall produce a certificate from the competent authority of the country of origin that opium poppy has been grown licitly/legally in that country as per requirements of the International Narcotics Control Bureau.</p> <p>(iv) Import of plants, their products and derivatives shall also be subject to the provisions of the Conventions on International Trade in Endangered Species of Wild Fauna and Flora (CITES).</p>
E. INSECTICIDES AND PESTICIDES	
Any pesticide, insecticide, weedicide, herbicide, rodenticide and miticide which has not been registered or which is prohibited for import under the Insecticides Act of 1968 and formulations thereof.	Not permitted to be imported. However, any pesticide, insecticide, herbicide, rodenticide and miticide which has been registered and not prohibited for import under the Insecticides Act of 1968 and formulation thereof, shall be freely importable without an import licence.
DDT - Technical 75 Wdp.	Import permitted against a licence or in accordance with a Public Notice issued in this behalf.
F. DRUGS & PHARMACEUTICALS	
All types of penicillin	Import permitted against a licence or in accordance with a Public Notice issued in this behalf.
6-APA	As above
Tetracycline/oxytetracycline and their salts	As above
Streptomycin	As above
Rifampicin	As above
Intermediates of rifampicin, namely:	As above
(i) 3-formyl-rifa S.V;	
(ii) rifa s/rifa s sodium; and	
(iii) 1-amino-4-methyl piperazine	
Vitamin B1, vitamin B2 and their salts	As above
Allyl isothiocyanate	As above
Capacitor fluids - PCB type	As above
Poly brominated biphenyls	Not permitted to be imported except against a licence on the recommendation of the Dep. of Chemicals & Petrochemicals.
Poly chlorinated biphenyls	As above
Poly chlorinated terphenyls	As above
Tris (2, 3 di-bromopropyl) phosphate	As above
Crocidolite	As above
Hazardous wastes	Import permitted against a licence and only for the purpose of processing or reuse.
Hazardous chemicals	Import permitted without a licence in accordance with the provisions of the Manufacture, Storage and Import of Hazardous Chemicals Rules of 1986 (made under the Environment (Protection) Act of 1986). Besides other conditions mentioned in the Rules, the importer shall, before 30 days but not later than the date of import, furnish the details specified in Rule 18 to the authority specified in Schedule 5 of the said rules.

Table AIII.3 (cont'd)

Description of items	Nature of restriction
H. ITEMS RELATING TO THE SMALL SCALE SECTOR	
Copper oxychloride	Import permitted against a licence or in accordance with a Public Notice issued in the behalf.
Dimethyl sulphate	As above
DNPT (Dinitroso pentamethylene tetramine)	As above
Flavouring essences -all types (including those for liquors)	As above
Niacin/nicotinic acid/niacinamide/nicotinamide/acidamide	As above
Mixtures of odoriferous substances/mixtures of resinoids	As above
Phthalate plasticisers	As above
Perfumery compounds/synthetic essential oils	As above
Lead and rule cutters	As above
Paper cutting knives of all sizes	As above
Paper cutting machines, excluding machines with devices such as automatic programme cutting or three knives trimmers	As above
Domestic water meters	As above
I. MISCELLANEOUS ITEMS	
Aircraft and helicopters	Not permitted to be imported except against a licence or in accordance with a Public Notice issued in this behalf.
Ships, trawlers, boats and other water transport crafts	As above
Commercial and passenger automobile vehicles, including two wheelers, three wheelers and personal type vehicles	As above
Coir (fibre/yarn/fabrics)	As above
Raw silk/silk cocoons	Permitted to be imported against a licence or in accordance with Public Notice issued in this behalf.
Natural rubber	As above
Radio active material	Permitted to be imported without a licence on the recommendation of Department of Atomic Energy.
Rare earth oxides including rutile sand	As above
Cinematograph feature films and video films	Import will be permitted by (i) National Film Archives of India, Film and Television Institute of India, National Centre of Films for Children and Young People and Satyajit Ray Film and Television Institute; (ii) by others subject to such conditions as may be specified in this behalf.
Crude palm stearin	Permitted to imported against a licence or in accordance with Public Notice issued in this behalf.
Maize for use for poultry or animal feed	Import will be permitted by the manufacturers of poultry or animal feed without a licence subject to actual user condition and registration of the import contract/Letter of Credit with NAFED who shall also monitor actual imports.
Naphtha	Import permitted without a licence subject to the condition that the importer shall sell the return stream of naphtha to crude oil refineries only. The sale will be on commercial terms as may be settled between the importer and the refinery. However, the importer may use the return stream as an industrial feed stock for his own captive consumption, but the balance left, if any, shall be sold to crude oil refineries only.

Table AIII.3 (cont'd)

Description of items	Nature of restriction
Batteries and tyres of passenger automobile vehicles including two wheelers, three wheelers and personal type vehicles	Not permitted to be imported against a licence or in accordance with a Public Notice issued in this behalf.
Sodium metal	Not permitted to be imported except against a licence or in accordance with a Public Notice issued in this behalf.
J. SPECIAL CATEGORIES	
Restricted items required by hotels, restaurants, travel agents, tour operators, tourist transport operators and other units for tourists like adventure/wild life and convention units	Import permitted against a licence on the recommendation of the Director General of Tourism, Government of India or in accordance with a Public Notice issued in this behalf.
Restricted items required by recreational bodies	Import permitted against a licence for meeting essential import requirements. Items qualifying for import and conditions of such imports shall be as specified.

a This formula does not refer to 1, 1, 2-trichloro-ethane.

Source: Government of India, (1997d), Export Import Policy 1997/98-2001/02, Negative List of Imports, Part II.

Table AIII.4
Items subject to export licensing in India, 1993 and 1997

Items licensed as of 1 April 1997	As of 31 March 1993
1. Beche-de-mer of size below 3 inches	Licensed
2. Cattle	Licensed
3. Camel	Licensed
4. (i) Chemical fertilizers, all types, including super-phosphate (ii) Micronutrient fertilizers and mixtures thereof containing NPK, excluding those specified in Schedule I, Part A1(f) of Fertilizers (Control) Order of 1985	Licensed
5. Dress materials/readymade garments fabrics/textile items with imprints of excerpts or verses of the Holy Quran	Licensed
6. Deoiled groundnut cakes containing more than 1% oil and groundnut expeller cakes	Licensed
7. Fresh and frozen silver pomfrets of weight less than 300g	Licensed
8. Fur of domestic animals, excluding lamb fur skin	Licensed
9. Fodder, including wheat and rice straw	Licensed
10. Hides and skins, namely: (i) cuttings and fleshing of hides and skins used as raw materials for manufacture of animal glue gelatine; (ii) raw hides and skins, all types excluding lamb fur skin; (iii) all categories of semi-processed hides and skins including E.I. tanned and wet blue hides and skins and crust leather; (iv) clothing leather fur suede/hair, hair-on suede/shearing suede leathers; (v) fur leathers; (vi) industrial leathers, namely: (a) cycle saddle leathers, (b) hydraulic/packing/belting/harness/washer/leathers, (c) pickling band leathers, (d) strap/combing leathers (vii) Lining leathers namely: (a) lining suede from cow and buffalo hides and calf skins, (b) lining suede from goat, kid, lamb and sheep skins; (viii) luggage leathers - case hide or side/suit case/hand bag/luggage/cash bag leather; (ix) Miscellaneous leathers, namely: (a) book binding leathers, (b) skiver leathers, (c) transistor case/camera case leather; (x) shoe upper leathers, namely: (a) bunwar leather, (b) kattai slipper/sandal leather; (xi) sole leather chrome tanned sole leather	Licensed
11. Horses - Kathiawari, Marwari and Manipuri breeds	Licensed, including mules Metals and their compounds licensed ^a
12. Minerals, ores and concentrates, namely: (i) chrome ores, other than (a) beneficiated chrome ore fines/concentrates and (b) those mentioned in Part III; (ii) lumpy/blended manganese ore with more than 46% manganese	Licensed, including uranium ores and concentrates
13. Milk, baby milk and sterilized liquid milk	Licensed
14. Pasewa and any lac containing living insects; Sticklac; Broodlac	Licensed
15. Pulses, all types, inc. lentils, grams, beans and flour made therefrom	Licensed
16. Processed pulses other than those made out of the pulses imported under the Duty Exemption Scheme or by an EOU in the EPZ	Licensed
17. Paddy (rice in husk)	Licensed
18. Rice bran, raw and boiled	Licensed

Table AIII.4 (cont'd)

Items licensed as of 1 April 1997	As of 31 March 1993
19. Seeds and planting materials namely: castor seeds; cotton seeds except such cotton seeds as are of varieties/hybrids of other countries grown under custom production; cashew seeds and plants; Egyptian clover (Barseem) - Trifolium alaxtum seeds; fodder crop seeds; green manure seeds other than Dhaincha; guar seeds (whole); jute seeds; linseeds; lucerne (alfalfa) medicago sativa; mesta seeds; nux vomica seeds/bark/leaves/roots and powder thereof; onion seeds; seeds of ornamental plants (wild variety); paddy seeds (wild variety); pepper cuttings or rooted cuttings of pepper; Persian clover (snaftel trifolium - resupinatum) seeds; red sanders seeds (pterocarpus santalinus); rubber seeds; russa grass seeds and tufts; seeds of all forestry species; seeds of all oilseeds and pulses; soyabean seeds; sandalwood seeds (santalum album); saffron seeds or corms (planting material for saffron); wheat seeds (wild variety)	Licensed, including all cotton seeds, lemongrass seed, rape seeds, and sunflower seeds, but excluding lucerne (alfalfa) medicago sativa
20. Sea shells, excl. polished sea shells and handicrafts made out of sea shells, of all species, except those of the undermentioned species the export of which shall not be allowed in any form: (i) trochus niloticos, (ii) turbo species, (iii) lambis species, (iv) tridacna gigas, (v) xancus pyrus	Licensed
21. Sea weeds of all types, including G. edulis but excluding brown sea weeds and agarophytes of Tamil Nadu coast origin in processed form	Licensed
22. Silk worms; silkworm seeds, and silk worm cocoons	Licensed
23. (i) vegetable oils in consumer packs above 5 kgs., namely: coconut oil, cotton seed oil, corn oil, kardi oil, linseed oil, mustard oil, niger seed oil, palm oil, palm kernel oil, rape seed oil, rice bran oil, salad oil, sunflower oil, sesame seed oil, soyabean oil; (ii) groundnut oil	Licensed, but not restricted to consumer packs above 5 kgs
24. (i) vintage motor cars, parts and components thereof manufactured prior to 1/1/1950 (ii) vintage motorcycles, parts and components thereof manufactured prior to 1/1/1940	Licensed
25. Viscose staple fibre (regular), excl. Polynosic Rayons	Viscose staple fibre (regular), excl. high performance viscose staple fibre licensed
26. Whole human blood plasma and all products derived from human blood except gamma globulin and human serum albumin manufactured from human placenta and human placental blood; raw placenta; placental blood plasma	Licensed
27. Waste paper	Licensed
28. Chemicals included in Schedules 2 & 3 to the Chemical Weapons convention of the United Nations signed in Paris on 13-15 January 1993, as specified in Schedule 2 Appendix 5 of the book titled "ITC (HS) Classifications of Export and Import Items"	Licensed
29. Imported sugar including sugar which has already landed and is pending clearance at the Customs	Not licensed
30. Special Materials, Equipments and Technologies as specified in Schedule 2 Appendix 6 of the book titled ITC (HS) Classifications of Export and Import Items"	Not licensed
31. Chemicals included in Annexures A and B to the Montreal Protocol on substances that deplete the ozone layer as specified in Schedule 2 Appendix 7 of the book titled "ITC (HS) Classifications of Export and Import Items"	Not licensed
32. Any other item whose exports are regulated by a Public Notice issued by the Director General of Foreign Trade in this behalf	Licensed

- a Including beryllium and its compounds; lithium and its compounds; neptunium and its compounds; plutonium and its compounds; thorium and its compounds; uranium and its compounds; zirconium and its compounds; deuterium compounds; hafnium; niobium; articles made of metals, including waste and scrap of hafnium and niobium; reaction initiators, reaction accelerators and catalytic preparations with nickel or nickel compounds as active substance; and reaction initiators, reaction accelerators and catalytic preparations, not elsewhere specified or included, with precious metal compounds as active substance.

Source: GATT (1993), Trade Policy Review - India; and Government of India (1997d), Export and Import Policy 1997/98-2001/02, Negative List of Exports, Part II.

Table AIII.5
Canalized exports and agencies, 1993 and 1997

Canalized exports as of 1 April 1997	As of 31 March 1993	Canalizing agency 1 April 1997
(1) Petroleum products, namely: (a) Aviation turbine fuel (b) Bitumen (asphalt) (c) Crude oil (d) Furnace oil (e) High speed diesel (f) Kerosene (g) Liquified petroleum gas (LPG) (h) Motor spirit (i) Naphtha (j) Raw petroleum coke	Same as in 1997	Indian Oil Corporation Limited
(2) Gum karaya	Same as in 1997	Tribal Cooperative Marketing Federation of India Limited (TRIFED), New Delhi
(3) Mica waste (including factory cuttings) and scrap which is obtained by processing mica and which because of size and colour is considered below the specification of processed mica	Same as in 1997	Minerals and Metals Trading Corporation of India Limited (MMTC), New Delhi
(4) Mineral ores and concentrates, namely: (a) Rare earths (including yttrium) ores, concentrates and compounds thereof (b) Other minerals containing samerskite; urraniferrous allanite; and radium ores and concentrates (c) Granular sillimanite produced by Indian Rare Earths Limited and Kerala Minerals and Metals Limited (d) Iron ore, except of Goa origin when exported to China, Europe, Japan, South Korea and Taiwan, irrespective of the Fe content; iron of redi origin irrespective of the Fe content; and all iron ore of Fe content upto 64% (e) - Chrome ore lumps with Cr ₂ O ₃ not exceeding 38% - Low silica friable/fine ore with Cr ₂ O ₃ not exceeding 52% and silica exceeding 4% (f) All grades of bauxite, except calcined bauxite and low grade bauxite with alumina content Al ₂ O ₃ less than 54% of west coast origin (g) Manganese ores excluding the following: lumpy blended manganese ore with ore more than 46% manganese	(4) Mineral ores and concentrates, namely: (a) Thorium ores, concentrates and compounds thereof (b) Rare earths (including yttrium) ores, concentrates and compounds thereof (c) Other minerals containing the following substances as accessory ingredients including: (i) Columbite (ii) Monazite (iii) Samerskite (iv) Uraniferrous allanite: - Radium ores and concentrates; - Thorium ores and concentrates; - Uranium ores and concentrates; - Uranium bearing tailings left over from ores after extraction of copper or gold; (d) Granular sillimanite produced by Indian Rare Earths Ltd. and Kerala Minerals and Metals Ltd. (e) Iron ore, except of Goa origin when MMTC exported to China, Europe, Japan, South Korea and Taiwan, and iron ore of Redi origin to all markets (f) - Chrome ore lumps with Cr ₂ O ₃ not exceeding 38% - Low silica friable/fine ore with Cr ₂ O ₃ not exceeding 52% and silica exceeding 4%	Indian Rare Earths Limited, Bombay As above As above As above MMTL As above As above
		As above

Table AIII.5 (cont'd)

Canalized exports as of 1 April 1997	As of 31 March 1993	Canalizing agency 1 April 1997
	(g) All grades of bauxite, except calcined bauxite and low grade bauxite with alumina content Al_2O_3 less than 54% of west coast origin	As above
	(h) Manganese ores excluding the MMTC, Manganese Ore India, for manganese ore produced in MOIL mines following: lumpy blended manganese ore with ore more than 46% manganese	MMTC, Manganese Ore India for manganese ore produced in MOIL mines
(5) Niger seeds	Same as in 1997	National Agricultural Cooperative Marketing Federation of India Limited (NAFED), New Dehli, Tribal Cooperation Federation of India Limited, National Dairy Development Board, Madhya Pradesh Satta Cooperative Oilseed Grower's Federation Limited
(6) Onions	Same as in 1997	NAFED
Not canalized	(7) Powder milk (skimmed or full cream)/whole or infant mild food, pure milk ghee and butter	

Source: GATT (1993), Trade Policy Review - India and Government of India (1997d), Export and Import Policy 1997/98-2001/02, Negative List of Exports, Part III.

Table AIII.6
Volume of canalized exports from India, 1988-97
(Rupees million)

Product	1988/89	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96	1996/97
Naphtha	4,409	6,219	6,443	3	0	0	0	0
HSD/LDO, fuel oil/heavy stock, other light/middle and heavy distillates	524	3,826	4,703	13,793	12,478	13,090	1,578	17,104
Thorium products	1	1	0	0	0	0	0	0
Monazite	0	5	0	0	0	0	0	0
Zircon	0	0	0	0	0	28	0	1
Granular sillimanite	2	5	0	1	2	5	7	5
Iron ore	3,813	5,253	7,095	8,389	10,738	10,296	12,970	13,378
Chrome ore	656	430	690	789	735	1,027	1,608	2,254
Manganese ore	135	415	400	308	380	346	297	481
Bauxite	38	89	0	74	82	30	46	50
Iron ore concentrates	52	77	1,888	1,675	2,027	1,612	2,007	1,830
Iron ore pellets	630	1,164	2,040	977	972	1,068	1,875	1,534
Mica waste and scrap	80	0	0	55	68	38	69	47
Onions	688	1,159	33	1,322	1,945	2,202	2,914	3,022
Nigerseeds	37	49	0	286	187	127	214	293
Gum karaya	12	39	0	72	111	107	116	89
TOTAL canalized ^a	11,075	18,795	23,355	27,742	29,724	29,977	37,361	40,088
Memo:								
Canalized/total exp. (%) ^{a b}	5.5	5.9	5.3	1.9	2.3	2.7	2.8	2.9

... Not available.

a Exports of butter, powder milk and pure milk, ghee and gum resin, which were canalized as of April 1992 through the National Dairy Development Board and the National Agricultural Cooperative Marketing Federation of India, are not included.

b As a share of total merchandise exports, per cent.

Note: Year beginning 1 April.

Source: GATT (1993), Trade Policy Review - India and WTO document G/STR/N1/IND, 31 January 1996.

Table AIII.7
Non-tariff barriers by India's major trading partners, as of January 1998

NTB	Markets	Remarks
1. MFA-textiles	EU, United States, Norway and Canada	Quotas on exports of textiles and clothing.
2. AD and CVD action	Canada, EU, United States	Mainly in the areas of steel (Canada and United States), and textiles and clothing (EU).
3. NTBs on agricultural products	Australia, EU, Japan, Malaysia, Saudi Arabia, United States	Examples include regulations related to: import of shrimps into USA which have been harvested with technology that adversely affect the sea turtles (United States); laying of high standards for pesticide residues in mangoes, bananas, grapes, and potatoes (EU, Japan, and United States), and sesame and tobacco (Japan), hormones in livestock production (EU); and tariff rate quotas on mushrooms (EU).
4. Drugs and pharmaceuticals	United States	India is on the "Priority Watch List" under Section 301 of the United States Trade Act concerning Indian IPR.
	GCC countries	Related to registration procedures.
5. Standards	Canada, China, EU, Japan, Malaysia, Saudi Arabia, Thailand, United States	Diverse standards on import inspection, food and drugs, clothing and other consumables.
6. Textiles	EU, United States	Environmental aspects of Indian production of textiles.
7. Export subsidies	Australia, Canada, China, EU, Russia, Saudi Arabia, Thailand, United States	
8. Packaging laws	EU	
9. Human rights issues	Canada, EU, United States,	Mainly related to child labour.
10. Jewellery and diamond	Japan	Prohibitive import charges for jewellery, delays in refunds, and difficulties in Indians going to Japan for diamond exports.
11. Movement of personnel	EU, Saudi Arabia, United States	Related to U.S. visa policy on India's exports of professional services. Saudi Arabia require local sponsorship for all visas, including business visa.
12. Carpets	United States	Prohibit imports of carpets made with the use of indentured or forced child labour.
13. Technical barriers	South Korea	Related to standards, and technical regulations on labelling, origin and automotive requirements.

Note: MFA = Multifibre Arrangement; NTB = Non-tariff barrier; CVD = Countervailing duty; AD = Anti-dumping duty; IPR = Intellectual Property Right; and GCC = Gulf Cooperation Council.

Source: Government of India.

Table AIII.8

Anti-dumping actions against Indian exports as of January 1998

Sl. No.	Product concerned	Investigating country	Date of initiation	Present status
1.	Stainless steel bright bars	EU	30.8.97	Questionnaire sent to manufactures/exporters by European Commission.
2.	Amoxycilin & Ampicilin	South Africa	4.10.96	Anti-dumping duty ranging from 8.3 per cent to 12.5 per cent. w.e.f. 11.4.97
3.	Potassium permangnate	EU	26.4.97	Provisional measures in terms of minimum price undertaking by Indian producers of ECU 1,475/-per tonne being considered.
4.	Polyolefin sacks & bags	EU	April 95	Definitive duty ranging from zero to 3.6 per cent imposed on Indian exporters w.e.f. 10.10.97.
5.	Stainless steel fastners	EU	3.12.96	Definitive duties ranging from 47.9 per cent to 133.5 per cent imposed on Indian exporters w.e.f. 4.9.97.
6.	Cotton type bed linen	EU	13.9.96	After terminating the earlier case on 9.7.96 fresh case initiated. Definitive anti-dumping duty ranging from 2.6 per cent to 24.7 per cent imposed on Indian exporters w.e.f. 5.12.97.
7.	Unbleached cotton fabrics	EU	11.7.97	After terminating investigation twice earlier, fresh case initiated.
8.	Synthetic Fibre Ropes	EU	1.07.97	After terminating the earlier case on 25.6.97 for lack of injury case reinitiated suo-moto by EU without any complaint.
9.	Hot rolled coil & plate	Indonesia	19.12.96	Provisional duty ranging from 26 per cent to 38 per cent imposed on Indian exporters w.e.f. 22.4.97. These duties were confirmed on 22.10.97.
10.	Wire road	Indonesia	24.3.97	Provisional anti-dumping duty of 30.9 per cent being imposed on exports from India.
11.	Cycle tyres	Brazil	April 1996	Final duty ranging from 38.6 per cent to 145.56 per cent imposed on Indian exporters w.e.f. 29.9.97.
12.	Single speed free wheel	Brazil	17.1.94	Final duty varying from 7 per cent to 93 per cent imposed w.e.f. 1.1.95. As domestic production of this item in Brazil has dropped considerably, on request from CGI, India, Government of Brazil has waived anti-dumping duty on Indian exports but has announced minimum price for each supplies separately from India.
13.	Stainless steel bars	USA	30.12.93	Final duty ranging from 3.87 per cent to 21.02 per cent levied on Indian exporters on 30.12.94. The case is under Administrative Review of Department of Commerce, USA.
14.	Stainless steel flangers	USA	31.12.92	Final duty ranging from 18.56 per cent to 210 per cent was imposed on 28.12.93. However, subsequently during review in 1996, duty on M/s. Akai Impex, India was reduced to 2.56 per cent.
15.	Synthetic fibres of polyester	EU	November 1990	Anti-dumping of 7.2 per cent imposed in January, 1993. Duty is due to expire in January 1998 unless it is reviewed before that.

Source: Government of India.

Table AIII.9
Countervailing actions against Indian exports as of January 1998

Product	Investigating country	Date of initiation	Present status
1. Stainless steel bright bars	EU	October 1997	Questionnaire sent by EU to be replied by 5.1.1998
2. Large spectrum antibiotics	EU	September 1997	EU investigation team visited India in December 1997
3. Black granite memorials & slabs	Canada	August 1992 (Revised Case)	Final duty imposed in 1994 which was reviewed in 1996 & duty revised 0.58 Canadian cents to 29.6 cents per pound. Being reviewed again by Canadian Authorities & investigation team visited India in November-December 1997.
4. Iron metal castings	United States	Review Case	Case being reviewed by US Authorities. Reply to be sent to Review Questionnaire by 23.12.97.

Source: Government of India.

Table AIII.10

Export promotion and marketing assistance by the Government

Scheme	Activity
1. Export Promotion Industrial Parks (EPIP) Scheme	Providing financial assistance to State Governments for financing infrastructure. Parks are owned, managed and maintained by State Governments with 75 per cent of capital expenditure provided by Centre as a grant. Budget support 1997/98: Rs 200 million.
2. Indian Brand Equity Fund	Promoting the image and marketing of generic Indian exports. Budget support 1997/98: Rs 0 million.
3. "Extreme focus products"	Promoting commodities with high export growth potential. Budget support 1997/98: Rs 0 million
4. Indian Trade Promotion Organization (ITPO)	The main government organization in this area. Promoting exports and imports and upgrading technology; undertaking publicity; assisting companies in product development; organizing export development programmes, buyer-seller meets, contact promotion programmes and integrated marketing programmes for specific products in specific markets. Budget support 1997/98: Rs 0 million.
5. Indian Institute of Packaging	Improving the standard of packaging to meet domestic needs and exports, undertaking research into raw materials for the packaging industry, etc. Budget support 1997/98 included in MDA.
6. Indian Institute of Foreign Trade (IIFT)	Developing human resources for the purpose of international commerce; and organising seminars on issues relating to trade. Budget support 1997/98: included in MDA.
7. Six Statutory Commodity Boards	Producing, developing and exporting coir, tea, coffee, rubber, spices and tobacco. Budget support 1997/98: Rs 1,097 million.
8. Twenty Export Promotion Councils	Performing export promotion and development of particular product and service groups. Budget support 1997/98: not available.
9. Federation of Indian Export Organizations	Providing integrated assistance to government-recognized Export Houses/Trading Houses and carrying out export promotional efforts in the field of consultancy services. Budget support 1997/98: included in MDA.
10. Indian Council of Arbitration, New Delhi	Promoting knowledge and use of arbitration and providing arbitration facilities for amicable and quick settlement of commercial disputes with a view to maintaining the smooth flow of trade. Budget support 1997/98: included in MDA
11. Marine Products Export Development Authority	Developing the marine products industry with special reference to exports. Budget support 1997/98: Rs 150 million.
12. Agricultural and Processed Food Products Export Development Authority, New Delhi	Focusing on agricultural and horticultural exports, including the marketing of processed foods in value added form. Budget support 1997/98: Rs 350 million.
13. Market Development Assistance (MDA)	The funds provided under the MDA (earlier called the Market Development Fund) are used for, <i>inter alia</i> , market research, product promotion, and participation in trade fairs. Budget support 1997/98: Rs 200 million.
14. Industrial Credit and Investment Corporation of India (ICICI)	The ICICI funds several schemes to aid exporters. Budget support 1997/98: Rs 1,045 million.
15. EXIM Bank	The EXIM Bank runs numerous export promotion schemes (such as marketing assistance to small and medium exporters). Budget support 1997/98: Rs 0 million.

Source: Government of India (1996a), Ministry of Commerce Annual Report 1995/96; and Government of India (1997d), Export and Import Policy 1997/98-2001/02, Handbook of Procedures, Vol. 1.

Table AIII.11
Sectoral composition of bank credit by major sectors, 1994-97
(Rs billion)

Sectors ^a	Outstanding as on			
	18 March 1994	31 March 1995	29 March 1996	28 March 1997
Gross bank credit ^b	1,568.6	1,969.9	2,317.0	2,494.1
- public food procurement credit	109.1	122.8	97.9	75.9
- non-food gross bank credit	1,459.5	1,847.1	2,220.6	2,418.1
(A) Priority sectors ^c	538.8	641.6	733.3	819.9
- Agriculture	212.1	239.8	270.4	308.7
- Small scale industries	226.2	276.4	318.8	341.1
- Other priority sectors	100.6	125.4	144.0	170.0
(B) Industry (medium and large)	578.7	746.7	930.5	1,000.3
(C) Wholesale trade (other than food procurement)	73.3	97.5	119.8	119.3
(i) Cotton corporation of India	0.5	3.5	3.8	2.9
(ii) Food Corporation of India (for fertilizer distribution)	0.0	0.0	0.0	0
(iii) Jute Corporation of India	0.1	0.0	0.0	0
(iv) Other trade	72.7	94.0	116.1	116.4
(D) Other sectors	268.8	361.3	437.0	478.7
Export credit (including under gross bank credit)	170.9	250.5	296.0	285.9
Net bank credit ^d (including inter-bank participations)	1,525.0	1,924.2	2,282.0	2,462.3

a Data are provisional and relate to 47 scheduled commercial banks, which account for about 90-95 per cent of bank credit of all scheduled commercial banks.

b Gross bank credit data include bills rediscounted with the RBI, the Industrial Development Bank of India, EXIM Bank, other approved financial institutions and inter-bank participants.

c Tentative and have to be refined to enable a comparison with the targets.

d Net bank credit data are exclusive of bills rediscounted with RBI, IDBI, EXIM Bank and other approved financial institutions.

Source: Reserve Bank of India (1996), Annual Report, 1996/97, Mumbai.

Table AIII.12
Interest rate subsidies, 1995-98
(Rs million)

	1995/96	1996/97	1997/98 ^a
Goan Banks	1.1	1.1	1.1
Bharat Yatra Nigam Ltd.	0.0	1,511.3	0.0
Bharat Bhari Udyog Nigam Ltd.	0.0	1,011.4	0.0
Hindustan Paper Corporation Ltd.	0.0	1,475.2	0.0
Heavy Engineering Corporation	0.0	2,720.0	0.0
Scooter India Ltd.	0.0	4,540.9	0.0
Khadi and Village Industries Commission	340.0	340.0	340.0
(a) For khadi industries	230.0	230.0	230.0
(b) For other village industries	110.0	110.0	110.0
Interest subsidy to PTI	0.1	1.3	1.2
Binny and Co.	0.0	0.0	0.0
Subsidy for payment of interest by NEEPCO	0.0	354.6	0.0
Bharat Refractories Ltd.	0.0	616.4	0.0
TOTAL	341.2	12,572.2	342.3

a Budgeted.

Source: Government of India (1996c), Budget 1996/97, Expenditure Budget; and Government of India (1997b), Budget 1997/98, Expenditure Budget.

Table AIV.1
India's m.f.n. tariff by ISIC category, 1993 and 1997

ISIC Code	Description	No. of Tariff lines	1993		1997	
			Simple average	Range	Simple average	Range
	Total	5,106	...	...	34.9	0-260
1	Agriculture, hunting, forestry & fishing	289	...	...	25.8	0-45
111	Agricultural and livestock production	213	52	0-85	29.0	0-45
12	Forestry and logging	27	...	...	19.3	0-45
121	Forestry	19	44	10-85	27.4	0-45
122	Logging	8	21	15-85	0.0	0-0
13	Fishing	49	8	0-85	15.2	0-45
1301	Ocean and coastal fishing	39	9	0-85	14.9	10-15
1302	Fishing not elsewhere classified	10	4	0-40	16.5	0-45
2	Mining & quarrying	104	...	...	24.8	0-45
21	Coal mining	4	65	5-85	13.3	8-15
22	Minerals, fuel oils and products of their distillation, etc.	3	36	36-36	16.3	10-27
23	Metal ore mining	22	44	20-80	10.0	10-10
2301	Iron ore mining	2	20	20-20	10.0	10-10
2302	Non-ferrous ore mining	20	46	25-85	10.0	10-10
29	Other mining	75	78	0-85	30.1	0-45
2901	Stone quarrying, clay and sand pits	35	84	50-85	34.3	30-45
2902	Chemical and fertilizer mineral mining	12	72	0-85	22.5	0-30
2903	Salt mining	1	85	85-85	30.0	30-30
2909	Mining and quarrying not elsewhere classified	27	72	0-85	28.1	0-45
3	Manufacturing	4,454	...	...	35.6	0-260
31	Manufacture of food, beverages and tobacco	449	...	...	36.4	0-260
311	Food products	363	49	0-85	29.4	0-127
3111	Slaughtering, preparing, preserving meat	79	23	0-85	18.3	0-45
3112	Manufacture of dairy products	21	80	0-85	31.2	0-45
3113	Canning, preserving fruit and vegetables	83	59	10-85	34.7	5-127
3114	Canning, preserving fish, crustacea etc.	59	23	0-85	22.1	15-45
3115	Manufacture of vegetable and animal oils and fats	54	77	0-85	37.5	0-45
3116	Grain mill products	38	41	0-85	34.3	0-45
3117	Manufacture of bakery products	9	85	85-85	45.0	45-45
3118	Sugar factories and refineries	7	85	85-85	23.6	0-45
3119	Manufacture of cocoa, chocolate, sugar confectionery	13	85	85-85	38.8	35-45
312	Other food products and animal feeds	56	68	10-85	38.8	0-192
3121	Food products, n.e.s.	49	...	...	39.4	15-192

Table AIV.1 (cont'd)

ISIC Code	Description	No. of Tariff lines	1993		1997	
			Simple average	Range	Simple average	Range
3122	Manufacture of prepared animal feeds	7	85	85-85	34.3	0-45
313	Beverages	24	235	30-400	134.4	15-260
3131	Distilling, rectifying, blending spirits	9	363	105-400	232.8	15-260
3132	Wine industries	8	244	85-315	97.5	45-105
3133	Malt liquors and malt	3	68	30-145	56.7	35-100
3134	Soft drinks, carbonated waters industries	4	85	85-85	45.0	45-45
314	Tobacco manufacturing	6	85	85-85	45.0	45-45
32	Textile, wearing apparel & leather industry	880	...	...	42.3	0-55
321	Textiles	681	77	10-85	43.1	0-55
3211	Spinning, weaving, finalizing textiles	407	72	10-85	41.9	0-55
3212	Manufacture of textile goods excl. weaving apparel	63	84	25-85	44.4	30-55
3213	Knitting mills	132	85	85-85	45.0	45-45
3214	Manufacture of carpets and rugs	23	85	85-85	45.9	45-55
3215	Cordage, rope and twine industries	12	85	85-85	45.0	45-45
3219	Manufacture of textiles n.e.s.	44	85	85-85	45.0	45-45
322	Manufacture of wearing apparel	134	85	85-85	44.9	35-45
323	Leather products	48	42	0-85	22.4	0-45
3231	Tanneries and leather finishing	22	12	0-85	4.5	0-25
3232	Fur dressing and dyeing industries	9	35	10-85	23.3	0-45
3233	Manufacture of leather excl. footwear	17	85	85-85	45.0	45-45
324	Manufacture of footwear	17	85	85-85	45.0	45-45
33	Wood and wood products, including furniture	65	...	...	34.5	0-45
331	Wood and wood products, except furniture	64	80	0-85	34.3	0-45
3311	Sawmills and woodmills	41	76	0-85	32.4	0-35
3312	Wooden and cane containers, etc.	8	85	85-85	42.5	35-45
3319	Wood and cork products	15	85	85-85	35.0	35-35
332	Manuf. of furniture & fixtures except of metal	1	83	35-85	45.0	45-45
34	Paper, paper products, printing and publishing	147	...	...	27.4	0-45
341	Paper products	118	73	0-85	27.8	0-45
3411	Manufacture of pulp, paper, paperboard	76	67	0-85	22.2	0-45
3412	Manuf. of containers & boxes of paper & board	34	85	85-85	45.0	45-45
3419	Manufacture of pulp, paper, paperboard n.e.s.	29	85	85-85	36.2	25-45
342	Printing, publishing & allied industries	29	69	45-85	25.9	0-45
35	Chemicals, petroleum, coal, rubber, plastics	1,034	...	...	34.8	0-52
351	Industrial chemicals	680	80	0-85	33.8	0-52

Table AIV.1 (cont'd)

ISIC Code	Description	No. of Tariff lines	1993		1997	
			Simple average	Range	Simple average	Range
3511	Manuf. of basic indus. chemicals excl. fertilizer	514	82	15-85	33.9	0-52
3512	Manufacture of fertilizer & pesticides	31	55	0-85	22.9	0-35
3513	Manuf. of resins, plastics & man-made fibres	135	81	40-85	36.0	30-45
352	Other chemicals, incl. pharm.	245	81	15-85	36.3	0-45
3521	Manufacture of paints, varnishes, lacquers	16	85	85-85	35.0	35-35
3522	Manufacture of drugs and medicines	87	84	15-85	34.4	0-45
3523	Manuf. of soap, cleaning agents, perfumes etc.	30	84	60-85	44.7	35-45
3529	Manufacture of chemical products n.e.s.	112	78	40-85	35.6	15-45
353	Petroleum refineries	14	68	0-85	22.4	0-35
354	Manuf. of miscell. petroleum & coal products	13	80	25-85	27.4	12-45
355	Rubber products	62	84	70-85	44.3	3-45
3551	Tyre and tube industries	14	85	85-85	42.0	3-45
3559	Manufacture of rubber products n.e.s.	48	84	70-85	45.0	45-45
356	Manufacture of plastic products n.e.s.	20	85	85-85	35.0	35-35
36	Non-metallic mineral products except of petrol and coal	161	...	...	43.5	25-45
361	Pottery and china	15	85	85-85	42.3	25-45
362	Manufacture of glass and glass products	64	85	65-85	44.7	25-45
369	Other non-metallic mineral products	82	85	40-85	42.9	30-45
3691	Manufacture of structural clay products	17	85	85-85	42.1	32-45
3692	Manufacture of cement, lime & plaster	8	85	85-85	39.4	30-45
3699	Manufacture of non-metallic mineral products n.e.s.	57	84	40-85	43.6	35-45
37	Basic metal industries	369	...	...	33.0	10-45
371	Iron and steel basic industries	205	80	20-85	33.5	10-35
372	Non-ferrous metal basic industries	164	67	25-85	32.3	10-45
38	Fabricated metal products, mach. & equipment	1,263	...	...	31.9	0-55
381	Fabricated metal products	210	71	35-85	34.0	15-45
3811	Manuf. of cutlery, hand tools, general hardware	70	57	40-85	35.4	30-45
3812	Manufacture of metal furniture and fixture	4	85	85-85	45.0	45-45
3813	Manufacture of structural metal products	21	58	35-85	28.8	25-35
3819	Manufacture of fabricated metal products n.e.s.	115	81	35-85	33.6	15-45
382	Non-electrical machinery incl. computers	485	50	0-85	27.3	0-45
3821	Manufacture of engines and turbines	12	40	35-85	25.0	25-25
3822	Manufacture of agricultural machinery and equipment	14	45	35-85	29.3	25-45
3823	Manuf. of metal & wood working machinery	110	50	35-85	25.9	25-35
3824	Manuf. of special industrial mach. & equipment	144	37	0-85	25.3	0-45

Table AIV.1 (cont'd)

ISIC Code	Description	No. of Tariff lines	1993		1997	
			Simple average	Range	Simple average	Range
3825	Manuf. office, computing, accounting machinery	37	80	35-85	35.7	22-45
3829	Machinery & equipment excl. electrical n.e.s.	168	56	35-85	28.2	25-45
383	Electrical machinery	282	...	...	36.2	15-45
3831	Manuf. of electrical indus. machi. & apparatus	64	57	35-85	29.2	25-45
3832	Manuf. of radio, T.V. & communications equip.	136	83	35-85	35.9	15-45
3833	Manuf. of electrical appliances & housewares	25	82	35-85	45.0	45-45
3839	Manuf. of electrical apparatus & supplies n.e.s.	57	78	35-85	40.7	25-45
384	Transport equipment	146	67	0-85	34.8	0-45
3841	Shipbuilding & repairing	19	37	0-85	19.2	0-45
3842	Manufacture of railroad equipment	24	81	60-85	39.4	30-45
3843	Manufacture of motor vehicles	61	77	3-85	40.4	25-45
3844	Manufacture of motorcycles and bicycles	17	85	85-85	45.0	45-45
3845	Manufacture of aircraft	20	32	0-85	18.2	0-45
3849	Manufacture of transport equipment n.e.s.	5	68	0-85	36.0	0-45
385	Professional and scientific equipment	140	73	35-85	32.9	15-55
3851	Professional scientific & measuring equip. n.e.s.	76	67	35-85	26.1	15-45
3852	Manufacture of photographic & optical goods	64	72	40-85	40.9	25-55
3853	Manufacture of watches and clocks	...	85	85-85	...	...
39	Other manufacturing industries	86	80	0-85	37.3	15-45
3901	Manufacture of jewellery and related articles	17	75	0-85	45.0	45-45
3902	Manufacture of musical instruments	...	75	75-75	...	...
3903	Manufacture of sporting and athletic goods	4	78	30-85	45.0	45-45
3909	Manufacturing industries n.e.s.	65	82	0-85	34.8	15-45

Source: WTO Secretariat calculations, based on data provided by the Indian authorities.

Table AIV.2
Effective rates of protection in selected sectors^a

Category	Goldar and Saleem ^b			Sharma and Mehta ^c	
	1980/81	1983/84	1989/90	1989/90	1993/94
Fishing	...	...	...	100.94	13.43
Coal and lignite	...	...	...	13.73	15.40
Crude petroleum and natural gas	...	...	...	25.72	26.34
Iron ore	...	...	...	43.17	32.46
Cotton textiles	147.94	166.10	149.91	137.54	64.23
Jute and mesta textiles	159.35	177.63	145.95	153.24	89.47
Fertilizers	21.85	24.63	-9.67	96.66	97.17
Drugs and medicines	70.81	87.87	99.23	...	...
Cement	37.45	68.37	140.28	151.08	101.41
Iron and steel	80.12	106.15	120.73	73.02	42.38
Motor vehicles	107.61	112.31	88.61	84.87	70.84
Simple average	93.73	118.77	126.52	77.63	54.47
Value added weighted average ^d	99.45	121.80	128.03	70.25	47.15

... Not available.

a ERPs are calculated using the Corden methodology.

b Nominal tariff rates.

c Collection rates.

d Value-added weights have been used for 1983/84 in Goldar and Saleem.

Source: Goldar and Saleem (1992), *India's Tariff Structures: Effective Rates of Protection of Indian Industries*, New Delhi, and Sharma and Mehta (1996) *Trade Reforms and Changes in Effective Protection of Indian Industries*, New Delhi.

Table AIV.3
Summary of India's specific commitments in services

<p>This table summarizes India's specific commitments in the GATS Schedule. It does not contain the same level of detail as the Schedule and is not a substitute for it. The commitments listed below relate to market access, unless otherwise indicated.</p> <p>The WTO Secretariat has divided services activities into 12 sectors. India has not made any commitments in the following six sectors: distribution; education; environment; recreational, cultural and sporting; transport; and other services not included elsewhere.</p>	
<u>Services sector</u>	<u>Commitments</u>
I. All sectors	On national treatment, in case of collaboration with public sector enterprises or government undertakings as joint venture partners, preference in access will be given to foreign service suppliers/entities which offer the best terms for transfer of technology.
II. Sector-specific commitments (by major service areas)^a	
1. <u>Business services</u>	
A. Professional services	
(e) Engineering services	Foreign commercial presence is allowed only through incorporation, with a foreign equity ceiling of 51 per cent.
B. Computer and related services	As above.
C. Research and development services	
(a) Sub-categories in the area of R&D services on natural sciences (CPC85101 and CPC85103)	As above.
F. Other business services	
(e) Technical testing and analysis services	As above.
2. <u>Communication services</u>	
C. Telecommunications services	
- Data and message transmission services in the following areas: (h) electronic mail; (i) voice mail; (j) on-line information and data base retrieval; (l) enhanced value-added facsimile services; and (n) on-line information and/or data processing.	As above.
D. Audiovisual services	
(a) Motion picture or video tape distribution services	Foreign commercial presence is allowed only through representative offices which will be allowed to function as branches of companies incorporated outside India. Import of titles is restricted to 100 per year.
3. <u>Construction and related engineering services</u>	
B. Construction work for civil engineering (roads and bridges only, CPC Ex. 513)	Foreign commercial presence is allowed only through incorporation, with a foreign equity ceiling of 51 per cent.
7. <u>Financial services</u>	
A. Insurance and -related services	
- Non-life, limited to insurance of freight (Ex. 5(a)(i)(B))	Unbound except in the case of insurance of freight, where there is no requirement that goods in transit to and from India should be insured with Indian insurance companies. Insurance is taken by the buyer or seller in accordance with the terms of the contract. Once under a contract the Indian importer or exporter agrees to assume the responsibility for insurance such as in the case of f.o.b. contracts for imports into India or c.i.f. contracts for exports from India, insurance has to be taken only with an Indian insurance company.
- Reinsurance and retrocession (5(a)(ii))	Reinsurance can be taken with foreign reinsurers to the extent of the residual uncovered risk after obligatory or statutory placements domestically with Indian insurance companies.
- Insurance intermediation, limited to reinsurance (Ex. 5(a)(iii))	Reinsurance of domestic risks can be placed with foreign reinsurers through overseas brokers, to the extent mentioned under reinsurance and retrocession above.

Table AIV.3 (cont'd)

	Overseas brokers are allowed to have resident representatives and representative offices who can procure reinsurance business from Indian insurance companies to the extent mentioned above. They can also place reinsurance business from abroad with Indian insurance companies. Except for the business indicated above, the resident representatives and representative offices cannot undertake any other activity in India. All expenses of the resident representatives and representative offices have to be met by remittances from abroad and no income can be received in India from Indian residents.
B. Banking and other financial services	
1. - (i) acceptance of deposits and other repayable funds from the public (5(a)(v));	Foreign commercial presence is only permitted through branch operations of a foreign bank licensed and supervised as a bank in its home country. Limit of 12 licences per year both for new entrants and existing banks. Banks are allowed to install ATMs at branches and at other places identified by them. Installation of ATM at a place other than in licensed branches is treated as a new place of business and requires a licence. Licences issued for ATMs installed by foreign banks will not be included in the ceiling of 12 licences per year for new entrants and existing banks referred to above.
- (ii) lending of all types, including consumer credit, mortgage, credit and financing of commercial transactions but excluding factoring. (Ex. 5(a)(vi));	
- (iii) all payment and money transmission services including credit, charge and debit cards, travellers cheques and bankers' drafts (5(a)(viii));	Investments in other financial services companies by branches of foreign banks licensed to do banking business in India individually not to exceed 10 per cent of owned funds or 30 per cent of the invested company's capital whichever is lower.
- (iv) guarantees and commitments (5(a)(ix));	
- (v) trading for own account of: money market instruments; foreign exchange; and transferable securities (Ex. 5(a)(x)(A)(B)(E));	Licences for new foreign banks may be denied when the maximum share of assets in India both on and off balance sheet of foreign banks to total assets both on and off balance sheet of the banking system exceeds 15 per cent.
- (vi) portfolio management, custodial and trust services (Ex. 5(a)(xiii)); and	
- (vii) clearing services for other banks for cheques, drafts and other instruments (Ex. 5(a)(xiv)).	Foreign commercial presence is permitted through foreign banks branches licensed to do banking business in India or through incorporation with foreign equity ceiling of 51 per cent by financial services companies (including banks).
2. Participation in issues of all kind of securities and provision of services related to such services	Foreign commercial presence is permitted through establishment of locally incorporated joint venture company with foreign equity ceiling of 49 per cent. The foreign equity participation will be limited to recognized foreign stock broking companies.
3. Stock broking (Ex. 5 (a)(x)(E))	Foreign commercial presence is permitted through incorporation with foreign equity ceiling of 51 per cent by financial services companies (including banks).
4. Financial consultancy services (Ex. 5(a)(xvi))	As above.
5. Factoring (Ex. 5(a)(vi))	As above.
6. Financial leasing (5 (a)(vii))	As above and funding has to be entirely out of equity.
7. Venture capital	As above.
8. <u>Health related and social services</u>	
A. Hospital services	Foreign commercial presence is permitted only through incorporation with a foreign equity ceiling of 51 per cent.
9. <u>Tourism and travel related services</u>	
A. Hotels and other lodging services (CPC Ex. 641)	As above.
B. Travel agency and tour operator services	

a Sectors numbered according to the WTO Secretariat classification.

Source: WTO documents GATS/SC/42, 15 April 1994; GATS/SC/42/Suppl.1, 28 July 1995; GATS/SC/42/Suppl.2, 28 July 1995, and S/FIN/N/12/Add.47/Rev.1, 12 December 1997.

Table AIV.4
Summary of Article II (m.f.n.) exemptions listed by India

This table summarizes Article II (most-favoured-nation) exemptions listed by India. It does not contain the same level of detail as the Schedule and is not a substitute for it.

I. Sector-specific commitments (by major service areas)^a

- | | |
|----------------------------------|--|
| 2. <u>Communication services</u> | India grants national treatment to motion pictures and television programmes co-produced with foreign countries which maintain a co-production agreement with India. |
| 10. <u>Recreational services</u> | Bhutan has been granted a waiver on the prohibition of sale of lottery tickets in India. |
| 11. <u>Transport services</u> | <p>India applies equality in freight liftings originating in the ports of Bulgaria, Pakistan, and the United Arab Emirates and equality in freight earnings.</p> <p>As a member of the UN Code of Conduct of Liner Conferences, cargo sharing between the national lines of contracting States and third-country lines is per the ratio of 40:40:20 as provided in the Liner Code.</p> |

a Sectors numbered according to the WTO Secretariat classification.

Source: WTO documents GATS /EL/42, 14 April, 1994 and S/FIN/W/12/Add.47/Rev.1, 12 December 1997.

Table AIV.5
Basic telecommunications licensees

Circle	Winner of the bid (foreign collaborator)	Status
Delhi	HFCL (Bezeq/Shinawatra)	Dispute in court
Maharashtra	Hughes Ispat (Hughes, USA)	Licence signed
Tamil Nadu	RPG group (NTT, Japan)	Dispute in court
Uttar Pradesh (West)	HFCL (Bezeq/Shinawatra)	Dispute in court
Karnataka	Hughes Ispat (Hughes, USA)	Licence expected soon
Punjab	Essar (Bell Atlantic, USA)	Licence signed
Andhra Pradesh	Tata (Bell Canada)	Licence signed
Haryana	HFCL (Bezeq/Shinawatra)	Dispute in court
Gujarat	Reliance (Nynex, USA)	Licence signed
Orissa	HFCL (Bezeq/Shinawatra)	Dispute in court
Rajasthan	Shyam (Telesystem, Canada)	Letter of intent awaited ^a
Madhya Pradesh	Bharti (STET, Italy)	Licence signed
Bihar	Techno (Moscow Telecom)	Dispute in court

a The issuance of a licence follows a company's acceptance of the letter of intent.

Source: Government of India.