

HS	Description	Bound rate at		Implementation	Present concession established	INR	Concession first		
		date of accession	Final Bound rate				incorporated in a GATT Schedule	Earlier INRs	ODCs
84073410	---Of a cylinder capacity exceeding 1,000 cc but not exceeding 3,000cc	31	10	2005		AU,JP,US			0
84073420	---Of a cylinder capacity exceeding 3,000 cc	19	10	2004		AU,JP,US			0
	-Other engines:								
84079010	---Biogas engines	18				US			0
84079090	---Other	18				US			0
8408	Compression-ignition internal combustion piston engines (diesel or semi-diesel engines):								
84081000	-Marine propulsion engines	5				JP,US			0
	-Engines of a kind used for the propulsion of vehicles of Chapter 87:								
84082010	---Of an output of 132.39kW (180 H.P.) or more	9				JP,US			0
84082090	---Other	25				JP,KR,US			0
84089010	---Locomotive engines	6				JP,US			0
	---Other:								
84089091	-----Of an output not exceeding 14kW	12.8	5	2004		JP,US			0
84089092	-----Of an output exceeding 14kW but not exceeding 132.39kW (180 H.P.)	14.2	8.4	2004		JP,US			0
84089093	-----Of an output of 132.39kW (180 H.P.) or more	5				US			0
8409	Parts suitable for use solely or principally with the engines of heading No. 84.07 or 84.08:								
84091000	-For aircraft engines	2				US			0
	-Other:								
	---Suitable for use solely or principally with spark-ignition internal combustion piston engines:								
84099110	----For marine propulsion engines	6				AU,JP,US			0
	---Other:								
84099191	-----Electric fuel injection devices	14	5	2004		JP,US			0
84099199	-----Other	10.4	5	2004		JP,US			0
	--Other:								
84099910	----For marine propulsion engines	5				JP,US			0
84099920	----For locomotive engines	2				US			0
	---Other:								

HS	Description	Bound rate at		Final Bound rate	Implementation	Present concession established	Concession first incorporated in a	
		date of accession	Bound rate				GATT Schedule	Earlier INRs
84099991	---For engines with an output of 132.39kW (180 H.P.) or more	2				JP,US		0
84099999	---Other	10	8.4	2002		JP,US		0
8410	Hydraulic turbines, water wheels, and regulators therefor:							
	-Hydraulic turbines and water wheels:							
84101100	--Of a power not exceeding 1,000kW	12	10	2002		JP,US		0
84101200	--Of a power exceeding 1,000kW but not exceeding 10,000kW	12	10	2002		CH,US		0
	--Of a power exceeding 10,000kW:							
84101310	---Impulse hydraulic turbines and water wheels of a power>30000kW	10				US		0
84101320	---Radial hydraulic turbines and water wheels of a power>35000kW	10				US		0
84101330	---Pumping hydraulic turbines and water wheels of a power>200000kW	10				US		0
84101390	---Other	12	10	2002		US		0
	-Parts, including regulators							
84109010	---Regulators	6				CA,US		0
84109090	---Other	6				CA,US		0
8411	Turbo-jets, turbo-propellers and other gas turbines:							
	-Turbo-jets:							
	--Of a thrust not exceeding 25kN:							
84111110	---Turbofan engines	1				CH,US		0
84111190	---Other	1				CH,US		0
	--Of a thrust exceeding 25kN:							
84111210	---Turbofan engines	1				CH,US		0
84111290	---Other	1				CH,US		0
	-Turbo-propellers:							
84112100	--Of a power not exceeding 1,100kW	2.5	2	2003		CA,CH,US		0
	--Of a power exceeding 1,100kW:							
84112210	---Of a power exceeding 1,100kW but not exceeding 2,238kW	2				CA,CH,US		0
84112220	---Of a power exceeding 2,238kW but not exceeding 3,730kW	2				CA,CH,US		0
84112230	---Of a power exceeding 3,730kW	2				CA,CH,US		0
	-Other gas turbines:							
84118100	--Of a power not exceeding 5,000kW	15				CH,US		0
84118200	--Of a power exceeding 5,000kW	9.6	3	2004		CH,US		0

HS	Description	Bound rate at		Final Bound rate	Implementation	Present concession established	INR	Concession first incorporated in a		ODCs
		date of accession	Bound rate					GATT Schedule	Earlier INRs	
84119100	-Parts: --Of turbo-jets or turbo-propellers	1					CH,US			0
	--Other:									
84119910	--- For turboshaft engine	5					CH,US			0
84119990	--- Other	5					CH,US			0
8412	Other engines and motors:									
	- Jet engines other than turbo-jets:									
84121010	--- For aircraft or spacecraft	3					US			0
84121090	--- Other	11.7	10		2002		JP,US			0
84122100	-Hydraulic power engines and motors:	12					JP,US			0
	-- Linear acting (cylinders)									
	-- Other:									
84122910	--- Hydraulic motors	10					US			0
84122990	--- Other	14					US			0
	-Pneumatic power engines and motors:									
84123100	-- Linear acting (cylinders)	14					JP,US			0
84123900	-- Other	14					US			0
84128000	-Other	10					JP,US			0
	-Parts:									
84129010	---For machines of subheading No.8412.1010	2					US			0
84129090	---Other	8					US			0
8413	Pumps for liquids, whether or not fitted with a measuring device; liquid elevators:									
	-Pumps fitted or designed to be fitted with a measuring device:									
84131100	--Pumps for dispensing fuel or lubricants, of the type used in filling-stations or in garages	10					JP,US			0
	--Other									
84131900	-Hand pumps, other than those of subheading No. 8413.11 or 8413.19	10					CH,JP,US			0
84132000	-Fuel, lubricating or cooling medium pumps for internal combustion piston engines:						JP,US			0
84133010	---Fuel, of an output of 132.39KW (180H.P.) or more	6.5	3		2003		JP,US			0
84133090	---Other	8.4	3		2004		JP,US			0
84134000	-Concrete pumps	11.5	8		2003		JP,US			0

HS	Description	Bound rate at		Implementation	Present concession established	INR	Concession first incorporated in a		ODCs
		date of accession	Final Bound rate				GATT Schedule	Earlier INRs	
	-Other reciprocating positive displacement Pumps:								
84135010	---Pneumatic	11.7	10	2002		CH,US			0
84135020	---Electric	11.7	10	2002		CH,US			0
84135030	---Hydraulic	11.7	10	2002		CH,US			0
84135090	---Other	11.7	10	2002		CH,US			0
	-Other rotary positive displacement pumps:								
84136010	---Electric submersible oil pumps and electric submersible pumps	14	10	2003		CH,JP,US			0
84136090	---Other	10				CH,JP,US			0
	-Other centrifugal pumps:								
84137010	---Rotational speed no less than 10000r/min	10	8	2002		CH,JP,US			0
84137090	---Other	10	8	2002		CH,JP,US			0
	-Other pumps; liquid elevators:								
84138100	--Pumps	10	8	2002		AU,CH,JP,US			0
84138200	--Liquid elevators	10	8	2002		US			0
	-Parts:								
84139100	--Of pumps	5				AU,JP,US			0
84139200	--Of liquid elevators	6				JP,US			0
8414	Air or vacuum pumps, air or other gas compressors and fans; ventilating or recycling hoods incorporating a fan, whether or not fitted with filters:								
84141000	-Vacuum pumps	11.5	8	2003		US			0
84142000	-Hand-or foot-operated air pumps	8				JP,US			0
	-Compressors of a kind used in refrigerating equipment:								
	---Driven by a motor:								
84143011	----For refrigerators or freezers, of a motor power not exceeding 0.4kW	16.4	8	2004		AU,JP,US			0
84143012	----For refrigerators or freezers, of a motor power exceeding 0.4kW but not exceeding 5kW	19	10	2004		JP,US			0
84143013	----For air conditioning machines, of a motor power exceeding 0.4 kW but not exceeding 5 kW	19	10	2004		AU,JP,US			0
84143014	----For air conditioning machines, of a motor power exceeding 5kW	19	10	2004		AU,CH,JP,US			0
84143019	----Other	16	10	2004		CH,JP,SK,US			0

HS	Description	Bound rate at		Final Bound rate	Implementation	Present concession established	INR	Concession first incorporated in a		ODCs
		date of accession	Bound rate					GATT Schedule	Earlier INRs	
84143090	---Driven by a non-motor	15.6	9	2004			CH,JP,SK,US		0	
84144000	-Air compressors mounted on a wheeled chassis for towing	12	8	2003			JP,US		0	
	-Fans:									
	---Table, floor, wall, window, ceiling or roof fans, with a self-contained electric motor of an output not exceeding 125W:									
84145110	---Ceiling or roof fans	21.7	20	2002			JP,US		0	
84145120	---Window fans	21.7	20	2002			JP,US		0	
84145130	---Rapid front louver fan	12					US		0	
	---Other:									
84145191	----Table fans	11.7	10	2002			AU,US		0	
84145192	----Floor fans	11.7	10	2002			AU,US		0	
84145193	----Wall fans	11.7	10	2002			AU,US		0	
84145199	----Other	11.7	10	2002			AU,US		0	
	---Other:									
84145910	---Ceiling or roof fans	11.5	8	2003			JP,US		0	
84145920	---Window fans	11.5	8	2003			JP,US		0	
84145930	---Centrifugal ventilation fans	12.7	10	2002			JP,US		0	
84145990	---Other	10	8	2003			JP,US		0	
84146000	-Hoods having a maximum horizontal side not exceeding 120cm	16	10	2004			JP,US		0	
	-Other:									
84148010	---Free piston generators for gas turbines	8					US		0	
84148020	---CO2 compressors	13.6	7	2004			US		0	
84148090	---Other	12.4	7	2004			US		0	
	-Parts:									
84149010	---Of the machines of subheadings Nos.8414.3011 to 8414.3014 and 8414.3090	8					JP,US		0	
84149020	---Of the machines of subheadings Nos. 8414.5110 to 8414.5199 or 8414.6000	12					JP,US		0	
84149090	---Other	8.7	7	2002			JP,US		0	
8415	Air conditioning machines, comprising a motor-driven fan and elements for changing the temperature and humidity, including those machines in which the humidity cannot be separately regulated:									

HS	Description	Bound rate at		Implementation	Present concession established	INR	Concession first		
		date of accession	Final Bound rate				incorporated in a GATT Schedule	Earlier INRs	ODCs
84151000	-Window or wall types, self-contained	21	15	2004		JP,KR,US			0
84152000	-Of a kind used for persons, in motor vehicles	33.3	20	2005		JP,US			0
	-Other:								
	--Incorporating a refrigerating unit and a valve for reversal of the cooling/heat cycle:								
84158110	---Of a refrigerating effect not exceeding 4,000 Cal per hour	21	15	2004		JP,US			0
84158120	---Of a refrigerating effect exceeding 4,000 Cal per hour	29	20	2004		JP,US			0
	--Other, incorporating a refrigerating unit:								
84158210	---Of a refrigerating effect not exceeding 4,000 Cal per hour	21	15	2004		JP,US			0
84158220	---Of a refrigerating effect exceeding 4,000 Cal per hour	29	20	2004		AU,JP,US			0
84158300	--Not incorporating a refrigerating unit	19	10	2004		JP,US			0
	-Parts:								
84159010	---Of the machines of subheading No. 8415.1000,8415.8110 or 8415.8210	11.7	10	2002		AU,JP,US			0
84159090	---Other	12	10	2002		AU,JP,US			0
8416	Furnace burners for liquid fuel, for pulverized solid fuel or for gas, mechanical stokers, including their mechanical grates, mechanical ash dischargers and similar appliances:								
84161000	-Furnace burners for liquid fuel	10				JP,US			0
84162000	-Other furnace burners, including combination burners	10.5				US			0
84163000	-Mechanical stokers, including their mechanical grates, mechanical ash dischargers and similar appliances	10.3	8.4	2002		US			0
84169000	-Parts	6				JP,US			0
8417	Industrial or laboratory furnaces and ovens, including incinerators, non-electric:								
84171000	-Furnaces and ovens for the roasting, melting or other heat-treatment of ores, pyrites or of metals	14	10	2003		CA,US			0
84172000	-Bakery ovens, including biscuit ovens	11.7	10	2002		US			0
	-Other:								

HS	Description	Bound rate at		Implementation	Present concession established	INR	Concession first incorporated in a		ODCs
		date of accession	Final Bound rate				GATT Schedule	Earlier INRs	
84178010	---Coke ovens	10				US			0
84178020	---Incinerators for radioactive waste	5				US			0
84178030	---Cement rotary kilns	12	10	2002		US			0
84178040	---Limestone decomposing furnace	12	10	2002		US			0
84178090	---Other	12	10	2002		US			0
	-Parts:								
84179010	---Of rotary kiln for sponge iron	7				JP,US			0
84179020	---Of coke furnace	7				JP,US			0
84179090	---Other	7				JP,US			0
8418	Refrigerators, freezers and other refrigerating or freezing equipment, electric or other; heat pumps other than air conditioning machines of heading No. 84.15:								
	-Combined refrigerator-freezers, fitted with separate external doors:								
84181010	---Of a capacity exceeding 500 l	23.3	10	2005		JP,US			0
84181020	---Of a capacity exceeding 200 l, but not exceeding 500 l	24	15	2004		JP,US			0
84181030	---Of a capacity not exceeding 200 l	24	15	2004		JP,US			0
	-Refrigerators, household type:								
	--Compression-type:								
84182110	---Of a capacity exceeding 150 l	20	10	2005		AU,JP,MX,US			0
84182120	---Of a capacity exceeding 50 l, but not exceeding 150 l	20	10	2005		AU,JP,MX,US			0
84182130	---Of a capacity not exceeding 50 l	20	10	2005		AU,JP,MX,US			0
84182200	--Absorption-type, electrical	28.3	15	2005		JP,US			0
84182900	--Other	31.7	30	2002		JP,US			0
	-Freezers of the chest type, not exceeding 800 l capacity:								
84183010	---Of a refrigerating temperature of -40°C or lower	14.4	9	2004		JP,US			0
	---Of a refrigerating temperature higher than -40°C:								
84183021	----Of a capacity exceeding 500 l	26.5	23	2003		JP,US			0
84183029	----Other	31.7	30	2002		JP,US			0
	-Freezers of the upright type, not exceeding 900 l capacity:								
84184010	---Of a refrigerating temperature of -40°C or lower	14.4	9	2004		JP,US			0

HS	Description	Bound rate at		Implementation	Present		Concession first		
		date of accession	Final Bound rate		concession established	INR	incorporated in a GATT Schedule	Earlier INRs	ODCs
	---Of a refrigerating temperature higher than -40o C:								
84184021	----Of a capacity exceeding 500 l	24	15	2004		JP,US		0	
84184029	----Other	31.7	30	2002		JP,US		0	
84185000	-Other refrigerating or freezing chests, cabinets, display counters, show-cases and similar refrigerating or freezing furniture	19	10	2004		AU,GT,JP,US		0	
	-Other refrigerating or freezing equipment; heat pumps:								
	--Compression type units whose condensers are heat exchangers:								
84186110	---Refrigerating units; heat pumps	19	10	2004		JP,US		0	
84186190	---Other	26.7	10	2005		JP,US		0	
	--Other:								
84186910	---Refrigerating units; heat pumps	21	15	2004		AU,JP,US		0	
84186990	---Other	28.3	15	2005		AU,JP,US		0	
	-Parts:								
84189100	--Furniture designed to receive refrigerating or freezing equipment	20				US		0	
	--Other:								
84189910	---Of refrigerating units and heat pumps	11.7	10	2002		AU,US		0	
	---Other:								
84189991	----Of freezing equipment of a refrigerating temperature of -40o C or lower	9.5				JP,US		0	
	----Of refrigerating or freezing equipment of a refrigerating temperature higher than -40o C and a capacity exceeding 500 l								
84189992	----Other	16	10	2004		JP,US		0	
84189999	Machinery, plant or laboratory equipment, whether or not electrically heated, for the treatment of materials by a process involving a change of temperature such as heating, cooking, roasting, distilling, rectifying, sterilizing, pasteurizing, steaming,	16	10	2004		US		0	
8419	-Instantaneous or storage water heaters, non-electric:								
84191100	--Instantaneous gas water heaters	35				AU,JP,US		0	

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		date of accession	Final Bound rate				GATT Schedule	Earlier INRs	
84191900	--Other	35				AU,JP,US			0
84192000	-Medical, surgical or laboratory sterilizes	10	4	2004		CA,JP,US			0
	-Dryers:								
84193100	--For agricultural products	10	8	2002		JP,US			0
84193200	--For wood, paper pulp, paper or paperboard	10.7	9	2002		US			0
	--Other:								
84193910	--- Breeze pottery blanks dryers	10.7	9	2002		US			0
84193990	--- Other	10.7	9	2002		US			0
	-Distilling or rectifying plant:								
84194010	--- Stripping towers	11.7	10	2002		CA,US			0
84194020	--- Rectifying towers	11.7	10	2002		CA,US			0
84194090	--- Other	11.7	10	2002		CA,US			0
84195000	-Heat exchange units	12	10	2002		AU,CA,US			0
	-Machinery for liquefying air or other gases:								
	---Oxygen producers:								
84196011	----Oxygen preparation volume no less than 15000 m 3/h	14.7	13	2002		US			0
84196019	----Other	14.7	13	2002		US			0
84196090	----Other	14	10	2003		US			0
	-Other machinery, plant and equipment:								
84198100	--For making hot drinks or for cooking or heating food	11.7	10	2002		JP,US			0
	--Other:								
84198910	--- Hydroformer vessels	9.6	0	2004		AU,CA,US			0
84198990	--- Other	9.6	0	2004		AU,CA,US			0
ex 84198990	Chemical vapor deposition apparatus for semiconductor production	9.6	0	2004		AU,CA,US			0
	-Parts:								
84199010	----Of water heaters	7.5	0	2003		AU,JP,US			0
84199090	----Other	4				AU,JP,US			0
ex 84199090	Parts of chemical vapor deposition apparatus for semiconductor production	0				AU,JP,US			0
8420	Calendering or other rolling machines, other than for metals or glass, and cylinders therefor:								
84201000	-Calendering or other rolling machines	9.9	8.4	2002		US			0
	-Parts:								
84209100	--Cylinders	8.4				CH,US			0

HS	Description	Bound rate at		Implementation	Present		Concession first		
		date of accession	Final Bound rate		established	INR	incorporated in a GATT Schedule	Earlier INRs	ODCs
84209900	--Other	8					JP,US		0
8421	Centrifuges, including centrifugal dryers; filtering or purifying machinery and apparatus, for liquids or gases:								
	-Centrifuges, including centrifugal dryers:								
84211100	--Cream separators	11.7	8.4	2003			SG,US		0
	--Clothes-dryers:								
84211210	--Of a dry linen capacity not exceeding 10kg	17.5					JP,US		0
	---Other	11.5	8	2003			US		0
	--Other:								
84211910	---Dewaterers	12	10	2002			US		0
84211920	---Solid-liquor separators	12	10	2002			US		0
84211990	---Other	12	10	2002			US		0
ex 84211990	Spin dryers for semiconductor wafer processing	8	0	2004			US		0
	-Filtering or purifying machinery and apparatus for liquids:								
	--For filtering or purifying water:								
84212110	---Of the household type	26.7	25	2002			AU,JP,US		0
84212190	---Other	12.8	5	2004			AU,US		0
84212200	--For filtering or purifying beverages other than water	14	12	2002			US		0
84212300	--Oil or petrol-filters for internal combustion engines	14	10	2003			JP,US		0
	--Other:								
84212910	---Press filters	14	5	2004			AU,JP,US		0
84212990	---Other	12.8	5	2004			AU,JP,US		0
	-Filtering or purifying machinery and apparatus for gases:								
84213100	--Intake air filters for internal combustion engines	14	10	2003			JP,US		0
	--Other:								
84213910	---Of the household type	24	15	2004			JP,US		0
	--- Dust collectors for industry uses:								
84213921	-----Electrostatic	12.8	5	2004			US		0
84213922	-----Baghoused	12.8	5	2004			US		0
84213923	-----Cyclone	12.8	5	2004			US		0
84213929	----- Other	12.8	5	2004			US		0

HS	Description	Bound rate at		Implementation	Present concession established	INR	Concession first incorporated in a		ODCs
		date of accession	Final Bound rate				GATT Schedule	Earlier INRs	
84213990	--- Other	12.8	5	2004		JP,US			0
	-Parts:								
	--Of centrifuges, including centrifugal dryers:								
84219110	---Of clothes-dryers of a dry linen capacity not exceeding 10 kg	7.5	0	2003		JP,US			0
84219190	---Other	3.3	0	2002		JP,US			0
ex 84219190	Parts of spin dryers for semiconductor wafer processing	0				JP,US			0
	--Other:								
84219910	---Of household-type filtering or purifying machines	16	10	2004		JP,US			0
84219990	---Other	6.7	5	2002		JP,US			0
8422	Dish washing machines; machinery for cleaning or drying bottles or other containers;machinery for filling, closing, sealing or labelling bottles, cans, boxes, bags or other containers; machinery for capsuling bottles, jars, tubes and similar containers; o								
	-Dish washing machines:								
84221100	--Of the household type	19	10	2004		JP,US			0
84221900	--Other	18	14	2003		US			0
84222000	-Machinery for cleaning or drying bottles or Other containers	11.7	10	2002		JP,US			0
	-Machinery for filling, closing, sealing, capsuling or labelling bottles, cans, boxes, bags or other containers; machinery for capsuling bottles,jars, tubes and similar ontainers; machinery for aerating beverages:								
84223010	---Bottling or canning machinery for beverages or liquid food	12				US			0
	---Machinery for packing cement:								
84223021	----Automatic filling and sacking machines	14	12	2002		US			0
84223029	----Other	14	12	2002		US			0
84223030	---Other packing machines	14	10	2003		US			0
84223090	---Other	14	10	2003		JP,US			0
84224000	-Other packing or wrapping machinery (including eat shrink wrapping machinery)	12	10	2002		CH,JP,US			0

HS	Description	Bound rate at		Implementation	Present		Concession first		
		date of accession	Final Bound rate		concession established	INR	GATT Schedule	Earlier INRs	ODCs
	-Parts:								
84229010	---Of dish washing machines	14.3	10.5	2003		CH,US		0	
84229020	---Of bottling or canning machinery for beverages or liquid food	8.5				CH,US		0	
84229090	---Other	8.5				CH,JP,US		0	
8423	Weighing machinery (excluding balances of a sensitivity of 5 mg or better), including weight operated counting or checking machines; weighing machine weights of all kinds:								
84231000	-Personal weighing machines, including baby scales; household scales	19.2	10.5	2004		JP,US		0	
	-Scales for continuous weighing of goods on conveyors								
84232010	---Electronic belt weighing machines	16	10	2004		US		0	
84232090	---Other	16	10	2004		US		0	
	-Constant weight scales and scales for discharging a predetermined weight of material into a bag or container, including hopper scales								
84233010	---Rationed packing scales	16.2	10.5	2004		US		0	
84233020	---Rationed sorting scales	16.2	10.5	2004		US		0	
84233030	---Proportioning scales	16.2	10.5	2004		US		0	
84233090	---Other	16.2	10.5	2004		US		0	
	-Other weighing machinery:								
	--Having a maximum weighing capacity not exceeding 30kg:								
84238110	---Account balances	12.3	10.5	2002		US		0	
84238120	---Spring balances	12.3	10.5	2002		US		0	
84238190	---Other	12.3	10.5	2002		US		0	
	--Having a maximum weighing capacity exceeding 30 kg but not exceeding 5,000kg:								
84238210	---Weighbridges	16.2	10.5	2004		US		0	
84238290	---Other	16.2	10.5	2004		US		0	
	--Other:								
84238910	---Weighbridges	16	10	2004		IS,JP,US		0	
84238920	---Track scales	16	10	2004		IS,JP,US		0	
84238930	---Hanging scales	16	10	2004		IS,JP,US		0	
84238990	---Other	16	10	2004		IS,JP,US		0	

HS	Description	Bound rate at		Implementation	Present concession established	INR	Concession first incorporated in a		ODCs
		date of accession	Final Bound rate				GATT Schedule	Earlier INRs	
84239000	-Weighing machine weights of all kinds; parts of weighing machinery	10				US			0
8424	Mechanical appliances (whether or not hand-operated) for projecting, dispersing or spraying liquids or powders; fire extinguishers, whether or not charged; spray guns and similar appliances; steam or sand blasting machines and similar jet projecting machi								
84241000	-Fire extinguishers, whether or not charged	8.4				AU,US			0
84242000	-Spray guns and similar appliances	8.4				JP,US			0
84243000	-Steam or sand blasting machines and similar jet projecting machines	8.4				JP,US			0
84248100	--Other appliances: --Agricultural or horticultural	8				JP,US			0
84248910	--Other: ---Of the household type	16.7	0	2005		US			0
84248991	----Marine cabinet washer	6	0	2003		JP,US			0
84248999	-----Other	6	0	2003		JP,US			0
ex 84248999	Deflash machines for cleaning and removing contaminants from the metal leads of semiconductor packages prior to the electroplating process; Spraying appliances for etching, stripping or cleaning semiconductor wafers; Apparatus for wet etching, developing, stripping or cleaning semiconductor wafers and flat panel displays	4	0	2003		JP,US			0
84249010	-Parts: ---Of the apparatus of subheading No.8424.1000	2.7	0	2002		US			0
84249020	---Of the apparatus of subheading No.8424.8910	7.5	0	2003		US			0
84249090	----Other	3.3	0	2002		AU,US			0
ex 84249090	Parts of spraying appliances for etching, stripping or cleaning semiconductor wafers	0				AU,US			0
8425	Pulley tackle and hoists other than skip hoists; winches and capstans; jacks:								

HS	Description	Bound rate at		Final Bound rate	Implementation	Present concession established	Concession first incorporated in a		ODCs
		date of accession	Bound rate				GATT Schedule	Earlier INRs	
84251100	-Pulley tackle and hoists other than skip hoists or hoists of a kind used for raising vehicles:	12	6	2004	JP,US			0	
84251900	--Powered by electric motor	10.4	5	2004	JP,US			0	
	--Other								
84252010	-Pit-head winding gear; winches specially designed for use underground:								
	---Mine hoists:								
84252011	---Reel diameter no less than 2m	12	10	2002	US			0	
84252019	---Other	12	10	2002	US			0	
84252090	---Other	12	10	2002	US			0	
	-Other winches; capstans:								
84253100	--Powered by electric motor	10.4	5	2004	JP,US			0	
84253900	--Other	10.4	5	2004	JP,US			0	
	-Jacks; hoists of a kind used for raising vehicles:								
84254100	--Built-in jacking systems of a type used in garages	8.4	3	2004	JP,US			0	
	--Other jacks and hoists, hydraulic:								
84254210	---Hydraulic jacks	8.4	3	2004	JP,US			0	
84254290	---Other	10.4	5	2004	US			0	
	--Other:								
84254910	---Other jacks	8.5	5	2003	US			0	
84254990	---Other	10			US			0	
8426	Ships derricks; cranes, including cable cranes; mobile lifting frames, straddle carriers and works trucks fitted with a crane:								
	-Overhead traveling cranes, transported cranes, gantry cranes, bridge cranes, mobile lifting frames and straddle carriers:								
	--Overhead traveling cranes on fixed support:								
84261120	---Bridge cranes, all-purpose	11.5	8	2003	US			0	
84261190	---Other	11.5	8	2003	JP,US			0	
84261200	--Mobile lifting frames on tyres and straddle carriers	10	6	2003	US			0	
	--Other:								
84261910	---Ship loading cranes	11.6	5	2004	US			0	

HS	Description	Bound rate at		Final Bound rate	Implementation	Present concession established	INR	Concession first incorporated in a	
		date of accession	Bound rate					GATT Schedule	Earlier INRs
	---Ship unloading cranes:								
84261921	---Grab ship unloading cranes	11.6	5	2004		US			0
84261929	---Other	11.6	5	2004		US			0
84261930	---Gantry cranes	11.7	10	2002		US			0
	---Loading and unloading bridges:								
84261941	---Frame loading and unloading bridges	11.7	10	2002		US			0
84261942	---Container loading and unloading bridges	11.7	10	2002		US			0
84261943	---Derrick loading and unloading bridges	11.7	10	2002		US			0
84261949	---Other	11.7	10	2002		US			0
84261990	---Other	11.7	10	2002		US			0
84262000	-Tower cranes	11.7	10	2002		JP,US			0
84263000	-Portal or pedestal jib cranes	10	6	2003		JP,US			0
	-Other machinery, self-propelled:								
	--On tyres:								
84264110	---Wheel-mounted cranes	12.8	5	2004		JP,US			0
84264190	---Other	11.6	5	2004		JP,US			0
	--Other:								
84264910	---Crawler cranes	14	8	2004		JP,US			0
84264990	---Other	13				JP,US			0
	-Other machinery:								
84269100	--Designed for mounting on road vehicles	11.7	10	2002		JP,US			0
84269900	--Other	10	6	2003		JP,US			0
8427	Fork-lift trucks; other works trucks fitted with lifting or handling equipment:								
	-Self-propelled trucks powered by an electric motor:								
84271010	---Track alleyway stackers	14.4	9	2004		US			0
84271020	---Trackless alleyway stackers	14.4	9	2004		US			0
84271090	---Other	14.4	9	2004		US			0
	-Other self-propelled trucks:								
84272010	---For-lift trucks for containers	14.4	9	2004		JP,US			0
84272090	---Other	12.5	9	2003		JP,US			0
84279000	-Other trucks	12.5	9	2003		JP,US			0
8428	Other lifting, handling, loading or unloading machinery (for example, lifts, escalators, conveyors, teleferics):								

HS	Description	Bound rate at		Final	Implementation	Present	Concession first	ODCs
		date of	accession					
				Bound rate		established	GATT Schedule	INRs
	-Lifts and skip hoists:							
84281010	---Designed for the transport of persons	14		8	2004		CH,JP,US	0
84281090	---Other	11.4		6	2004		CH,JP,US	0
84282000	-Pneumatic elevators and conveyors	11.6		5	2004		CH,JP,US	0
	-Other continuous-action elevators and conveyors, for goods or materials:							
84283100	--Specially designed for underground use	11.6		5	2004		CH,JP,US	0
84283200	--Other, bucket type	11		5	2004		CH,US	0
84283300	--Other, belt type	11		5	2004		CH,JP,US	0
	--Other:							
84283910	---Chain type	11		5	2004		CH,JP,US	0
84283920	---Roller type	11		5	2004		CH,JP,US	0
84283990	---Other	11		5	2004		CH,JP,US	0
84284000	-Escalators and moving walkways	12.8		5	2004		CH,JP,US	0
84285000	-Mine wagon pushers, Locomotive or wagon traversers, wagon tippers and similar railway wagon handling equipment	11.7		10	2002		CH,JP,US	0
	-Teleferics, chair-lifts, ski-draglines; traction mechanisms for funiculars:							
84286010	---Cargo aerial cableways	11.5		8	2003		CH,US	0
	---Passenger aerial cableways:							
84286021	----Monocable endless	11.5		8	2003		CH,US	0
84286029	----Other	11.5		8	2003		CH,US	0
84286090	---Other	11.5		8	2003		CH,US	0
84289000	-Other machinery	10.4		5	2004		AU,CH,JP,US	0
8429	Self-propelled bulldozers, angledozers, graders, levellers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers:							
	-Bulldozers and angledozers:							
	--Track laying:							
84291110	---With an engine of an output exceeding 235.36kW (320 HP)	8.7		7	2002		JP,US	0
84291190	---Other	11		7	2003		JP,US	0
	--Other:							
84291910	---With an engine of an output exceeding 235.36kW (320 HP)	8.7		7	2002		JP,US	0
84291990	---Other	11		7	2003		JP,US	0

HS	Description	Bound rate at		Final Bound rate	Implementation	Present concession established	INR	Concession first incorporated in a GATT Schedule	Earlier INRs	ODCs
		date of accession	Bound rate							
	-Graders and levellers:									
84292010	---With an engine of an output exceeding 235.36kW (320 HP)	8.5	5		2003		US			0
84292090	---Other	8.5	5		2003		CA,US			0
	-Scrapers:									
84293010	---Having a capacity of shovel exceeding 10m3	8.4	3		2004		US			0
84293090	---Other	11	5		2004		JP,US			0
	-Tamping machines and road rollers:									
	---Self-propelled road rollers:									
84294011	----Vibration type,of a deadweight of 18t or more	11	7		2003		CZ,JP,US			0
84294019	----Other	11.5	8		2003		US			0
84294090	----Other	11.4	6		2004		JP,US			0
	-Mechanical shovels, excavators and shovel loaders:									
84295100	--Front-end shovel loaders	11.6	5		2004		JP,US			0
	--Machinery with a 360 revolving superstructure:									
	--- Excavators:									
84295211	---- Tyre-mounted	14	8		2004		US			0
84295212	---- Track-mounted	14	8		2004		US			0
84295219	---- Other	14	8		2004		US			0
84295290	--- Other	14	8		2004		US			0
84295900	--Other	12	8		2003		JP,US			0
8430	Other moving, grading, levelling, scraping, excavating, tamping, compacting, extracting or boring machinery, for earth, minerals or ores; pile-drivers and pile-extractors; snow-ploughs and snow-blowers:									
84301000	-Pile-drivers and pile-extractors	11.7	10		2002		JP,US			0
84302000	-Snow-ploughs and snow-blowers	10					US			0
	-Coal or rock cutters and tunnelling machinery:									
84303100	--Self-propelled	12	10		2002		JP,US			0
84303900	--Other	12	6		2004		JP,US			0
	-Other boring or sinking machinery:									
	--Self-propelled:									
	---Oil and natural gas drilling machinery:									

HS	Description	Bound rate at		Final Bound rate	Implementation	Present concession established	INR	Concession first incorporated in a GATT Schedule	Earlier INRs	ODCs
		date of accession	Bound rate							
84304111	----Of drilling depth of 6,000m or more	5		5			US			0
84304119	----Other	8.5		5	2003		CA,US			0
	---Other drilling machinery:									
84304121	----Of drilling depth of 6,000m or more	5		5			US			0
84304122	----Crawler boring machinery of drilling depth < 6,000m	8.5		5	2003		JP,US			0
84304129	----Other boring machinery of drilling depth < 6,000m	8.5		5	2003		JP,US			0
84304190	----Other	11		5	2004		US			0
84304900	--Other	11		5	2004		US			0
	-Other machinery, self-propelled:									
84305010	---For oil production	8.4		3	2004		CA,US			0
84305020	---Mining power shovels	13.6		7	2004		JP,US			0
	---Mining drills:									
84305031	----Gear wheel diameter more than 380mm	11		5	2004		US			0
84305039	----Other	11		5	2004		US			0
84305090	----Other	11		5	2004		JP,US			0
	-Other machinery, not self-propelled:									
84306100	--Tamping or compacting machinery	11.4		6	2004		JP,US			0
84306200	--Scrapers	11.4		6	2004		US			0
	--Other:									
	---Engineering drills:									
84306911	----Boring casing diameter more than 3m	12		6	2004		US			0
84306919	----Other	12		6	2004		US			0
84306990	----Other	12		6	2004		US			0
8431	Parts suitable for use solely or principally with the machinery of headings Nos.84.25 to 84.30:									
84311000	-Of machinery of heading No.84.25	3					JP,US			0
84312000	-Of machinery of heading No.84.27	6					JP,US			0
	-Of machinery of heading No.84.28:									
84313100	--Of lifts, skip hoists or escalators	3					CH,JP,US			0
84313900	--Other	5					AU,JP,US			0
	-Of machinery of heading No.84.26,84.29 or 84.30:									
84314100	--Buckets, shovels, grabs and grips	6					JP,US			0
84314200	--Bulldozer or angledozer blades	6					US			0

HS	Description	Bound rate at		Final Bound rate	Implementation	Present concession established	INR	Concession first incorporated in a GATT Schedule	Earlier INRs	ODCs
		date of accession	Bound rate							
84314310	--Parts of boring or sinking machinery of subheading No.8430.41 or 8430.49:									
	---Of oil and natural gas drilling machinery	4					AU,US			0
84314320	---Of other drilling machinery	4					JP,US			0
84314390	---Of sinking machinery	5					US			0
	--Other:									
84314910	---For mining power shovels	5					AU,JP,US			0
84314990	---Other	5					AU,JP,US			0
8432	Agricultural, horticultural or forestry machinery for soil preparation or cultivation; lawn or sports-ground rollers:									
84321000	-Ploughs	8.5	5		2003		JP,US			0
	-Harrows, scarifiers, cultivators, weeders and hoes:									
84322100	--Disc harrows	8.5	5		2003		JP,US			0
84322900	--Other	8	4		2003		JP,US			0
84323000	-Seeders, planters and transplanters	8	4		2003		JP,US			0
84324000	-Manure spreaders and fertiliser distributors	8	4		2003		JP,US			0
	-Other machinery:									
84328010	---Lawn or sports-ground rollers	10.5	7		2003		AU,JP,US			0
84328090	---Other	8	4		2003		JP,US			0
84329000	-Parts	4					JP,US			0
8433	Harvesting or threshing machinery, including straw or fodder balers; grass or hay mowers; machines for cleaning, sorting or grading eggs, fruit or other agricultural produce, other than machinery of heading No.84.37:									
	-Mowers for lawns,parks or sports grounds:									
84331100	--Powered, with the cutting device rotating in a horizontal plane	10	6		2003		JP,US			0
84331900	--Other	10	6		2003		JP,US			0
84332000	-Other mowers, including cutter bars for tractor mounting	8	4		2003		US			0
84333000	-Other haymaking machinery	8.5	5		2003		JP,US			0
84334000	-Straw or fodder balers, including pick-up balers	8.5	5		2003		JP,US			0

HS	Description	Bound rate at		Implementation	Present concession established	INR	Concession first			
		date of accession	Final Bound rate				incorporated in a GATT Schedule	Earlier INRs	ODCs	
	-Other harvesting machinery; threshing machinery:									
84335100	--Combine harvester-threshers	8				JP, US			0	
84335200	--Other threshing machinery	8				JP, US			0	
84335300	--Root or tuber harvesting machines	8				US			0	
	--Other:									
84335910	---Sugarcane harvesters	10	8	2002		US			0	
84335990	---Other	10	8	2002		US			0	
84336000	-Machines for cleaning, sorting or grading eggs, fruit or other agricultural produce	8.5	5	2003		JP, US			0	
	-Parts:									
84339010	---Of combine harvester-threshers	5				US			0	
84339090	---Other	4.7	3	2002		JP, US			0	
8434	Milking machines and dairy machinery:									
84341000	-Milking machines	10				US			0	
84342000	-Dairy machinery	8	6	2002		US			0	
84349000	-Parts	5				US			0	
8435	Presses, crushers and similar machinery used in the manufacture of wine, cider, fruit juices or similar beverages:									
84351000	-Machinery	10				CH, US			0	
84359000	-Parts	6				CH, US			0	
8436	Other agricultural, horticultural, forestry, poultry-keeping or bee-keeping machinery, including germination plant fitted with mechanical or thermal equipment; poultry incubators and brooders:									
84361000	-Machinery for preparing animal feeding stuffs	8.7	7	2002		US			0	
	-Poultry-keeping machinery; poultry incubators and brooders:									
84362100	--Poultry incubators and brooders	8.5	5	2003		CA, JP, US			0	
84362900	--Other	10				US			0	
84368000	-Other machinery	10				JP, US			0	
	-Parts:									
84369100	--Of poultry-keeping machinery or poultry incubators and brooders	6				US			0	
84369900	--Other	6				US			0	

HS	Description	Bound rate at		Present concession established	Concession first incorporated in a GATT Schedule	Earlier INRs	ODCs
		date of accession	Final Bound rate				
8437	Machines for cleaning, sorting or grading seed, grain or dried leguminous vegetables; machinery used in the milling industry or for the working of cereals or dried leguminous vegetables, other than farm-type machinery:						
84371000	-Machines for cleaning, sorting or grading seed, grain or dried leguminous vegetables	10		CH,CO,JP,US			0
84378000	-Other machinery	10		CH,CO,US			0
84379000	-Parts	6		AU,CH,US			0
8438	Machinery, not specified or included elsewhere in this Chapter, for the industrial preparation or manufacture of food or drink, other than machinery for the extraction or preparation of animal or fixed vegetable fats or oils:						
84381000	-Bakery machinery and machinery for the manufacture of macaroni, spaghetti or similar products	9.6	7	CH,JP,US			0
84382000	-Machinery for the manufacture of confectionery, cocoa or chocolate	8		AU,CH,US			0
84383000	-Machinery for sugar manufacture	10		CH,US			0
84384000	-Brewery machinery	9.6	7	CH,US			0
84385000	-Machinery for the preparation of meat or poultry	8.7	7	CH,JP,US			0
84386000	-Machinery for the preparation of fruits, nuts or vegetables	10		CH,JP,US			0
84388000	-Other machinery	8.5		AU,CH,JP,US			0
84389000	-Parts	6.7	5	AU,CH,JP,US			0
8439	Machinery for making pulp of fibrous cellulose material or for making or finishing paper or paperboard:						
84391000	-Machinery for making pulp of fibrous cellulose material	8.4		JP,US			0
84392000	-Machinery for making paper or paperboard	8.4		JP,US			0
84393000	-Machinery for finishing paper or paperboard	8.4		JP,US			0
	-Parts:						

HS	Description	Bound rate at		Present concession established	Concession first incorporated in a GATT Schedule	Earlier INRs	ODCs
		date of accession	Final Bound rate				
84399100	--Of machinery for making pulp of fibrous cellulose material	6		CA,US			0
84399900	--Other	6		AU,JP,US			0
8440	Book-binding machinery, including book-sewing machines:						
	-Machinery:						
84401010	---Sewing bookbinders	12		US			0
84401020	---Glueing bookbinders	12		US			0
84401090	---Other	12		US			0
84409000	-Parts	8		JP,US			0
8441	Other machinery for making up paper pulp, paper or paperboard, including cutting machines of all kinds:						
84411000	-Cutting machines	12		US			0
84412000	-Machines for making bags, sacks or envelopes	12		JP,US			0
	-Machines for making cartons, boxes, cases, tubes, drums or similar containers, other than by molding:						
84413010	---Machines for paper, plastic and aluminium composite can manufacture	13.5		CH,US			0
84413090	---Other	13.5		CH,US			0
84414000	-Machines for moulding articles in paper pulp, paper or paperboard	12		CA,US			0
	-Other machinery:						
84418010	---Machines for paper plastic and aluminium flexible packaging manufacture	12		US			0
84418090	---Other	12		US			0
	-Parts:						
84419010	---Of cutting machines	8		CA,US			0
84419090	---Other	8.4		JP,US			0
8442	Machinery, apparatus and equipment (other than the machine-tools of headings Nos. 84.56 to 84.65), for type-founding or type-setting, for preparing or making printing blocks, plates, cylinders or other printing components; printing type, blocks, plates,						
	-Phototype-setting and composing machines:						

HS	Description	Bound rate at		Final Bound rate	Implementation	Present concession established	Concession first incorporated in a GATT Schedule	Earlier INRs	ODCs
		date of accession	Bound rate						
84421010	---Laser phototypesetting equipment	12.5	9	2003	US			0	
84421090	---Other	12.5	9	2003	US			0	
84422000	-Machinery, apparatus and equipment for type-setting or composing by other processes, with or without founding device	11	9	2002	JP,US			0	
	-Other machinery, apparatus and equipment:								
84423010	---Type casters	11	9	2002	US			0	
84423020	---Other machinery, apparatus and equipment for typesetting	11	9	2002	US			0	
84423090	---Other	11	9	2002	US			0	
84424000	-Parts of the foregoing machinery, apparatus or equipment	7			JP,US			0	
84425000	-Printing type, blocks, plates, cylinders and other printing components; blocks, plates, cylinders and lithographic stones, prepared for printing purposes (for example, planed, grained or polished)	11	7	2003	AU,JP,US			0	
8443	Printing machines, including ink-jet printing machines, other than those of heading No.84.71 machines for uses ancillary to printing:								
	-Offset printing machinery:								
84431100	--Reel fed	17.2	10	2004	JP,US			0	
84431200	--Sheet fed, office type (sheet size not exceeding 22X36 cm)	16	12	2003	JP,SG,US			0	
	--Other:								
84431910	---Sheet fed	17.2	10	2004	US			0	
84431990	---Other	17.2	10	2004	US			0	
	-Letterpress printing machinery, excluding flexographic printing:								
84432100	--Reel fed	12			JP,US			0	
84432900	--Other	14	12	2002	US			0	
84433000	-Flexographic printing machinery	14	10	2003	US			0	
84434000	-Gravure printing machinery	18			AU,JP,US			0	
	-Other printing machinery :								
84435100	--Ink-jet printing machines	14	8	2004	JP,US			0	
	--Other:								
	---Screen printing machinery:								

HS	Description	Bound rate at		Final Bound rate	Implementation	Present concession established	INR	Concession first incorporated in a	
		date of accession	Bound rate					GATT Schedule	Earlier INRs
84435911	----Cylinder screen press	14	10	2003		JP,US			0
84435912	----Platen screen press	14	10	2003		JP,US			0
84435919	----Other	14	10	2003		JP,US			0
84435990	---Other	13	8	2003		US			0
84436000	-Machines for uses ancillary to printing	12				JP,US			0
84439000	-Parts	6				AU,JP,US			0
8444	Machines for extruding, drawing, texturing or cutting man-made textile materials:								
84440010	---Synthetic filaments spinning jets	10				AU,JP,US			0
84440020	---Synthetic staple fibres spinning jets	10				AU,JP,US			0
84440030	---Artificial fibres spinning jets	10				AU,JP,US			0
84440040	---Man-made filaments crimping machinery	10				AU,JP,US			0
84440050	---Man-made filaments cutting machinery	10				AU,JP,US			0
84440090	---Other	10				AU,JP,US			0
8445	Machines for preparing textile fibres; spinning, doubling or twisting machines and other machinery for producing textile yarns; textile reeling or winding (including weft-winding) machines and machines for preparing textile yarns for use on the machines 0								
	-Machines for preparing textile fibres:								
	--Carding machines:								
84451110	---- For cotton type fibres	10				CH,US			0
84451120	---- For wool type fibres	10				CH,US			0
84451190	--- Other	10				CH,US			0
84451200	--Combing machines	10				CH,JP,US			0
	--Drawing or roving machines:								
84451310	--- Drawing machines	10				CH,JP,US			0
84451320	--- Roving machines	10				CH,JP,US			0
84451900	--Other	10				CH,JP,US			0
	-Textile spinning machines:								
84452010	---Cotton spinning frames	12	10.5	2002		CH,US			0
84452020	---Break spinning machines (Rotor spinning machines)	10				CH,JP,US			0
84452090	---Other	10				CH,US			0
84453000	-Textile doubling or twisting machines	10				CH,JP,US			0

HS	Description	Bound rate at		Implementation	Present concession established	INR	Concession first incorporated in a		ODCs
		date of accession	Final Bound rate				GATT Schedule	Earlier INRs	
	-Textile winding (including weft winding) or reeling machines:								
84454010	---Automatic bobbin winders	10				CH,JP,US			0
84454090	---Other	10				CH,JP,US			0
	-Other:								
84459010	---Warping machines	10				CH,JP,US			0
84459020	---Sizing machines	10				CH,JP,US			0
84459090	---Other	10				CH,JP,US			0
8446	Weaving machines (looms):								
84461000	-For weaving fabrics of a width not exceeding 30cm	8				CH,US			0
	-For weaving fabrics of a width exceeding 30cm, shuttle type:								
	--Power looms:								
84462110	---For making carpets or rugs	12				CH,JP,US			0
84462190	---Other	10				CH,JP,US			0
84462900	---Other	10				CH,JP,US			0
	-For weaving fabrics of a width exceeding 30cm, shuttleless type:								
84463020	---Rapier looms	8				CH,US			0
84463030	---Carrier looms	8				CH,US			0
84463040	---Water jet looms	8				CH,US			0
84463050	---Air jet looms	8				CH,US			0
84463090	---Other	8				CH,JP,US			0
8447	Knitting machines, stitch-bonding machines and machines for making gimped yarn, tulle, lace, embroidery, trimmings, braid or net and machines for tufting:								
	-Circular knitting machines:								
84471100	--With cylinder diameter not exceeding 165mm	8				JP,US			0
84471200	--With cylinder diameter exceeding 165mm	8				JP,US			0
	-Flat knitting machines; stitch-bonding machines:								
84472010	---Warp knitting machines	8				CH,JP,US			0
84472020	---Other flat knitting machines	8				CH,JP,US			0
84472030	---Stitch-bonding machines	8				CH,JP,US			0
	-Other:								