

## **ANNEX 7**

### **ENVIRONMENTAL GOODS LIST**

HS Code (2012)	HS 6-digit description	Ex-out / Additional Product Specification	environmental justification
4011.50	New pneumatic tyres, of rubber of a kind used on bicycles.		Bicycles and their spare parts exert positive effect on reducing exhaust emissions from automobiles, air pollution and greenhouse effect, etc.
4013.20	Inner tubes, of rubber of a kind used on bicycles.		Bicycles and their spare parts exert positive effect on reducing exhaust emissions from automobiles, air pollution and greenhouse effect, etc.
5608.11	Knotted netting of twine, cordage or rope; made up fishing nets, of man-made textile materials.	Specifically made-up fishing nets that incorporate turtle excluder devices.	Use of turtle excluder devices (teds) reduces turtle mortality by 90-100 per cent.
5608.90	Knotted netting of twine, cordage or rope; other made up nets, of other textile materials.	Made-up fishing nets that incorporate turtle excluder devices.	Use of turtle excluder devices (teds) reduces turtle mortality by 90-100 per cent.
7305.90	Other tubes and pipes (for example, welded, riveted or similarly closed), having circular cross-sections, the external diameter of which exceeds 406.4 mm, of iron or steel: other.	Iron or steel pipes, gutters and manholes for waste and potable water applications	These items facilitate the delivery of safe drinking water and sanitation.
7306.11	Other tubes, pipes and hollow profiles (for example, open seam or welded, riveted or similarly closed), of iron or steel: line pipe of a kind used for oil or gas pipelines: welded, of stainless steel.	Iron or steel pipes, natural gas, manholes for waste, and delivery applications	These items facilitate the delivery of safe use and avoid the disadvantaged impact of the environment.
7306.19	Other tubes, pipes and hollow profiles (for example, open seam or welded, riveted or similarly closed), of iron or steel: line pipe of a kind used for oil or gas pipelines: other.	Iron or steel pipes, natural gas, manholes for waste, and delivery applications	These items facilitate the delivery of safe use and avoid the disadvantaged impact of the environment.
7306.29	Other tubes, pipes and hollow profiles (for example, open seam or welded, riveted or similarly closed), of iron or steel: casing and tubing of a kind used in drilling for oil or gas: other.	Iron or steel pipes, natural gas, manholes for waste, and delivery applications	These items facilitate the delivery of safe use and avoid the disadvantaged impact of the environment.
7306.30	Other tubes, pipes and hollow profiles (for example, open seam or welded, riveted or	Iron or steel pipes gutters and manholes	These items facilitate the delivery of safe drinking

	similarly closed), of iron or steel: other, welded, of circular cross-section, of iron or non-alloy steel.	for waste and potable water applications	water and sanitation.
7306.40	Other tubes, pipes and hollow profiles (for example, open seam or welded, riveted or similarly closed), of iron or steel: other, welded, of circular cross-section, of stainless steel.	Iron or steel pipes gutters and manholes for waste and potable water applications	These items facilitate the delivery of safe drinking water and sanitation.
7306.50	Other tubes, pipes and hollow profiles (for example, open seam or welded, riveted or similarly closed), of iron or steel: other, welded, of circular cross-section, of other alloy steel.	Iron or steel pipes gutters and manholes for waste and potable water applications	These items facilitate the delivery of safe drinking water and sanitation.
7306.69	Other tubes, pipes and hollow profiles (for example, open seam or welded, riveted or similarly closed), of iron or steel: other, welded, of non-circular cross-section.	Iron or steel pipes gutters and manholes for waste and potable water applications.	These items facilitate the delivery of safe drinking water and sanitation.
7306.90	Other tubes, pipes and hollow profiles (for example, open seam or welded, riveted or similarly closed), of iron or steel: other	iron or steel pipes gutters and manholes for waste and potable water applications	these items facilitate the delivery of safe drinking water and sanitation.
7308.20	Structures (excluding prefabricated buildings of heading 94.06) and parts of structures, of iron or steel; plates, rods, angles, shapes, section, tubes and the like, prepared for use in structures, of iron or steel: towers and lattice masts.	Wind turbine tower.	Used to elevate and support a wind turbine for the generation of renewable energy.
7309.00	Reservoirs, tanks, vats and similar containers for any material (other than compressed or liquefied gas), of iron or steel, of a capacity exceeding 300l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment.	Optional ex-outs may include: tanks or vats for anerobic digesters for biomass gasification; solar pre-heating storage tank; waste containers including those for municipal or hazardous waste; cisterns, vats and reservoirs for safe storage of drinking water; septic tanks, vats and reservoirs for wastewater treatment.	Containers of any material, of any form, for liquid or solid waste, including for municipal or dangerous waste. the containers can be of assistance in the conversion of waste to gas, which can be used to generate energy.
7310.29	Tanks, casks, drums, cans, boxes and similar containers, for any material (other than compressed or liquefied gas), of iron or steel, of a capacity not exceeding 300l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment: of a capacity of less than 50l: other	Waste containers, whether or not combined with a compactor.	Containers of any material, of any form, for liquid or solid waste, including for municipal or dangerous waste.
7315.11	Chain and parts thereof, of iron or steel: articulated link chain and parts thereof: Roller		Bicycles and their spare parts exert positive effect

	chain.		On reducing exhaust emissions from automobiles, air pollution and greenhouse effect, etc.
7324.90	Sanitary ware and parts thereof, of iron or steel: other, including parts.	Water saving shower. water closet pans and flushing cisterns/urinals including dry closets.	Water conserving showers (provided with a specific water-efficiency shower head) and dry closets (operating on the basis of composting) are designed to conserve water.
7326.90	Other articles of iron or steel: other.	Perforated buckets and similar articles of sheet used to filter water at the entrance of drains.	These items facilitate the delivery of safe drinking water and sanitation.
7612.90	Aluminium casks, drums, cans, boxes and similar containers (including rigid or collapsible tubular containers), for any material (other than compressed or liquefied gas), of a capacity not exceeding 300l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment: other.	Waste containers, including those for municipal or dangerous waste.	Containers of any material, of any form, for liquid or solid waste, including for municipal or dangerous waste.
8402.90	Steam or other vapour generating boilers (other than central heating hot water boilers capable also of producing low pressure steam); super-heated water boilers: parts.	Parts for biomass boilers 8402.19x.	Parts for biomass boilers.
8404.10	Auxiliary plant for use with boilers of heading 84.02 or 84.03 (for example, economisers, super-heaters, soot removers, gas recoverers); auxiliary plant for use with boilers of heading 84.02 or 84.03.	Auxiliary plant for use with biomass boilers 8402.19x.	Components of industrial air pollution control plant which minimise the release of pollutants into the atmosphere. this equipment is also used to support waste heat recovery processes in waste treatment, or renewable energy resource recovery applications.
8404.20	Condensers for steam or other vapour power units.		Used to cool gas streams to temperatures which allow the removal of contaminants, e.g. volatile organic compounds (voc) like benzene.
8404.90	Auxiliary plant for use with boilers of heading 84.02 or 84.03 (for example, economisers, super-heaters, soot removers, gas recoverers); condensers for steam or other vapour power units: parts.		These parts are used in the repair and maintenance of the equipment classified under 8404.10 above. This secondary equipment is

			also used to support waste heat recovery processes, such as boilers mentioned above, in waste treatment, or renewable energy resource recovery applications.
8405.10	Producer gas or water gas generators, with or without their purifiers; acetylene gas generators and similar water process gas generators, with or without their purifiers.	Include only those with purifiers.	Purifiers remove contaminants (such as cyanide or sulphur compounds) produced in the manufacture of gases.
8406.81	Steam turbines and other vapour turbines: other turbines: of an output exceeding 40 mw.	Optional ex-outs may include stationary steam turbines over 40 mw; low temperature/ low pressure steam turbines for geothermal heat pump systems; and steam turbines for co-generation.	Turbine designed for the production of geothermal energy (renewable energy) and co-generation (chp) which allows for a more effective use of energy than conventional generation.
8406.82	Steam turbines and other vapour turbines: other turbines: of an output not exceeding 40 mw.	Optional ex-outs may include stationary steam turbines not over 40 mw; other vapour turbines; low temperature/ low pressure steam turbines for geothermal heat pump systems; and steam turbines for co-generation.	Steam turbines are used to drive electrical generators to derive electrical power from environmental energy recovery operations. note that these have an output capacity "not exceeding 40mw".
8406.90	Steam turbines and other vapour turbines: parts.	Optional ex-outs may include parts suitable for use with stationary steam turbines over 40mw; stationary steam turbines not over 40 mw, other vapour turbines; parts for 8406.81x and 8406.82x.	Parts used for repair and maintenance of energy recovery turbines listed in 8406.81 and 8406.82 above.
8409.91	Parts suitable for use solely or principally with the engines of heading 84.07 or 88.08: other: suitable for use solely or principally with spark-ignition internal combustion piston engines.	Industrial mufflers.	Industrial mufflers are used for reducing engine noise.
8410.11	Hydraulic turbines and water wheels of a power not exceeding 1,000 kw		Hydroelectric power generation produces no greenhouse gas emissions.

8410.90	Hydraulic turbines and water wheels, and regulators parts.	Parts for 8410.11.	Hydroelectric power generation produces no greenhouse gas emissions.
8411.81	Other gas turbines: of a power not exceeding 5,000 kw.		Gas turbines for electrical power generation from recovered landfill gas, coal mine vent gas, or biogas (clean energy system). note that these turbines do not "exceed 5,000 kw".
8411.82	Other gas turbines: of a power exceeding 5,000 kw.		Gas turbines for electrical power generation from recovered landfill gas, coal mine vent gas, or biogas (clean energy system). note that these turbines do "exceed 5,000 kw".
8411.99	Turbo-jets, turbo-propellers and other gas turbines: parts.	Parts for 8411.81 and 8411.82.	Parts for gas turbines described above.
8412.90	Other engines and motors: parts.	Wind turbine blades and hubs.	These blades and hubs are integral components to wind turbines.
8413.20	Pumps for liquids, whether or not fitted with a measuring device; liquid elevators: hand pumps, other than those of subheading 8413.11 or 8413.19.		For handling and transport of wastewater or slurries during treatment.
8413.50	Pumps for liquids, whether or not fitted with a measuring device; liquid elevators: other reciprocating positive displacement pumps.	Optional ex-out may include: pumps for sewage and wastewater treatment.	For handling and transport of wastewater or slurries during treatment.
8413.60	Pumps for liquids, whether or not fitted with a measuring device; liquid elevators: other rotary positive displacement pumps.	Submersible mixer pump; screw type; flow volume not less than 3m <sup>3</sup> /3min.	For handling and transport of wastewater or slurries during treatment.
8413.81	Pumps for liquids, whether or not fitted with a measuring device; liquid elevators: other pumps; liquid elevators.	Optional ex-outs may include: pumps integrated with wind turbines; solar pumping system.	Water handling equipment. pumps are integral components of water treatment plants.
8413.91	Pumps for liquids, whether or not fitted with a measuring device; liquid elevators: parts of pumps.	Pump-turbine runner for hydroelectric pumped storage systems. parts for 8413.20, 8413.50, 8413.60, 8413.70 and 8413.81x	Hydroelectric power generation produces no greenhouse gas emissions.
8414.10	Air or vacuum pumps, air or other gas compressors and fans; ventilating or recycling hoods incorporating a fan, whether or not fitted with filters: vacuum pumps.	Industrial hoods for transportation or extraction of air pollutants such as exhaust	Air handling equipment. used in a number of environmental applications, e.g. flue gas

		gas or dust.	desulphurisation (the process by which sulphur is removed from combustion natural gas).
8414.40	Air or vacuum pumps, air or other gas compressors and fans; ventilating or recycling hoods incorporating a fan, whether or not fitted with filters: air compressors mounted on a wheeled chassis of towing	Air compressors used in the transportation or extraction of polluted air, corrosive gases or dust.	Air handling equipment. transport or extraction of polluted air, corrosive gases or dust.
8414.59	Air or vacuum pumps, air or other gas compressors and fans; ventilating or recycling hoods incorporating a fan, whether or not fitted with filters: fans; other.	Optional ex-out of fans for the transport or extraction of polluted air and corrosive gases or dust.	Air handling equipment. transport or extraction of polluted air, corrosive gases or dust.
8414.80	Air or vacuum pumps, air or other gas compressors and fans; ventilating or recycling hoods incorporating a fan, whether or not fitted with filters: other.	Industrial hoods; aerators; blowers; and diffusers.	Air handling equipment. transport or extraction of polluted air, corrosive gases or dust.
8414.90	Air or vacuum pumps, air or other gas compressors and fans; ventilating or recycling hoods incorporating a fan, whether or not fitted with filters: parts.	Parts for 8414.10x, 8414.30, 8414.40, and 8414.80x. optional ex-out may include: 8414.59x.	Air handling equipment. transport or extraction of polluted air, corrosive gases or dust.
8417.80	Industrial or laboratory furnaces and ovens, including incinerators, non-electric: other	Optional ex-outs may include: waste incinerators; heat or catalytic incinerators.	These products are used to destroy solid and hazardous wastes. catalytic incinerators are designed for the destruction of pollutants (such as voc) by heating polluted air and oxidation of organic components.
8417.90	Industrial or laboratory furnaces and ovens, including incinerators, non-electric: parts	Optional ex-outs may include: parts for 8417.80x.	These parts can help maintain and repair products that are used to destroy solid and hazardous wastes. Similarly, the parts for catalytic incinerators can help maintain and repair items that can assist in the destruction of pollutants (such as voc) by heating polluted air and oxidation of organic components.
8419.19	Machinery, plant or laboratory equipment, whether or not electrically heated (excluding furnaces, ovens and other equipment of heading 85.14), for the treatment of materials by a process involving a change of temperature such as heating,	Solar water heaters.	Uses solar thermal energy to heat water, producing no pollution. use of solar water heating displaces the burning of other, pollution-creating

	cooking, roasting, distilling, rectifying, sterilising, pasteurising, steaming, drying, evaporating, vaporising, condensing or cooling, other than machinery or plant of a kind used for domestic purposes: instantaneous or storage water heaters, non-electric.		fuels.
8419.39	Machinery, plant or laboratory equipment, whether or not electrically heated (excluding furnaces, ovens and other equipment of heading 85.14), for the treatment of materials by a process involving a change of temperature such as heating, cooking, roasting, distilling, rectifying, sterilising, pasteurising, steaming, drying, evaporating, vaporising, condensing or cooling, other than machinery or plant of a kind used for domestic purposes: dryers: other.	Sludge driers.	Device used in waste water management, which requires sludge to be treated.
8419.40	Machinery, plant or laboratory equipment, whether or not electrically heated (excluding furnaces, ovens and other equipment of heading 85.14), for the treatment of materials by a process involving a change of temperature such as heating, cooking, roasting, distilling, rectifying, sterilising, pasteurising, steaming, drying, evaporating, vaporising, condensing or cooling, other than machinery or plant of a kind used for domestic purposes: distilling or rectifying plant.	Optional ex-outs may include: desalination systems; biogas refinement equipment; and solvent recycling plants.	Desalination plants remove salt from water and are particularly important in conditions of water scarcity. proper disposal of by-products is also required. biogas refinement equipment "upgrades" biogas resulting from organic matter to give it the same properties as natural gas. allows the recovery and reuse of solvents, e.g. solvents used in the printing, painting or dry cleaning industries.
8419.50	Machinery, plant or laboratory equipment, whether or not electrically heated (excluding furnaces, ovens and other equipment of heading 85.14), for the treatment of materials by a process involving a change of temperature such as heating, cooking, roasting, distilling, rectifying, sterilising, pasteurising, steaming, drying, evaporating, vaporising, condensing or cooling, other than machinery or plant of a kind used for domestic purposes: heat exchange units.	Optional ex-out may include heat exchangers for use in renewable energy system.	Some heat exchangers are specifically designed for use in relation to renewable energy sources such as geothermal energy.
8419.60	Machinery, plant or laboratory equipment, whether or not electrically heated (excluding furnaces, ovens and other equipment of heading 85.14), for the treatment of materials by a process involving a change of temperature such as heating,		For separation and removal of pollutants through condensation.



	cooking, roasting, distilling, rectifying, sterilising, pasteurising, steaming, drying, evaporating, vaporising, condensing or cooling, other than machinery or plant of a kind used for domestic purposes: machinery for liquefying air or other gases.		
8419.89	Machinery, plant or laboratory equipment, whether or not electrically heated (excluding furnaces, ovens and other equipment of heading 85.14), for the treatment of materials by a process involving a change of temperature such as heating, cooking, roasting, distilling, rectifying, sterilising, pasteurising, steaming, drying, evaporating, vaporising, condensing or cooling, other than machinery or plant of a kind used for domestic purposes: other.	Evaporators and dryers, for water and waste water treatment. condensers and cooling towers. biogas reactors; digestion tanks and biogas refinement equipment.	For processing water and waste water and the separation and removal of pollutants through condensation. includes fluidised bed systems (bubbling, circulating, etc.) and biomass boilers. can also help anaerobic digestion of organic matter.
8419.90	Machinery, plant or laboratory equipment, whether or not electrically heated (excluding furnaces, ovens and other equipment of heading 85.14), for the treatment of materials by a process involving a change of temperature such as heating, cooking, roasting, distilling, rectifying, sterilising, pasteurising, steaming, drying, evaporating, vaporising, condensing or cooling, other than machinery or plant of a kind used for domestic purposes: parts.	Optional ex-outs may include: parts for 8419.19 ex, including for solar boiler/water heater; insulation, temperature sensor for solar boiler/water heater; differential temperature controller for solar boiler/water heater; evacuated glass tubes for solar boiler/water heater; heat pipes for solar boiler/water heater. parts of 8419.40x, 8419.50x, 8419.60, 8419.89x	Parts used in the maintenance and repair of solar water heaters (etc.). which use solar thermal energy to heat water, producing no pollution. use of solar water heating displaces the burning of other, pollution-creating fuels.
8421.19	Centrifuges, including centrifugal dryers: other.	Oil skimmer.	Equipment used to remove oil floating on water and is commonly used for oil spill remediations.
8421.21	Centrifuges: filtering or purifying machinery and apparatus, for liquids: for filtering or purifying water.		Used to filter and purify water for a variety of environmental, industrial and scientific applications, including water treatment plants and wastewater treatment facilities.
8421.29	Centrifuges: filtering or purifying machinery and apparatus, for liquids: other.		Used to remove contaminants from wastewater, by chemical recovery, oil/water separation, screening or straining.
8421.39	Centrifuges: filtering or purifying machinery and apparatus, for gases: other.	Optional ex-out may include: catalytic	Physical, mechanical, chemical or electrostatic

		converters / gas separation equipment / pneumatic fluid power filters rated at 550 kpa or greater / industrial gas cleaning equipment / electrostatic filters (precipitators).	filters and purifiers for the removal of cov, solid or liquid particles in gases, etc.
8421.91	Centrifuges: filtering or purifying machinery and apparatus, for gases: parts of centrifuges, including centrifugal dryers.	Parts for 8421.19x.	Used for the maintenance and repair of equipment that removes oil floating on water and is commonly used for oil spill remediation.
8421.99	Centrifuges: filtering or purifying machinery and apparatus, for gases: parts; other.	Parts for 8421.21 and 8421.29.	Including sludge belt filter presses and belt thickeners.
8422.90	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; other packing or wrapping machinery (including heat-shrink wrapping machinery); machinery for aerating beverages: parts.	Parts for cleaning/drying bottles (relates to 8422.20)	Parts are used to assemble and maintain equipment that is used to clean and dry bottles so that they can be recycled and re-used.
8428.33	Other lifting, handling, loading or unloading machinery (for example, lifts, escalators, conveyors, teleferics): other continuous-action elevators and conveyors, for goods or materials: other, belt type.	Optional ex-out may include troughed belt (cleat type) conveyor, length above 4m, transfer capacity not less than 20m <sup>3</sup> /hr.	For transport of waste around the treatment plant.
8466.94	Parts and accessories suitable for use solely or principally with the machines of heading 84.56 to 84.65, including work or tool holders, self-opening dieheads, dividing heads and other special attachments for machine-tools; tool holders for any type of tool for working in the hand: other; for machines of heading 84.62 or 84.63.	Parts for machines described in 8469.21	Assists in compacting and compressing metals, including for recycling.
8474.10	Machinery for sorting, screening, separating or washing.	Machines for sorting, screening, separating or washing, in solid form materials.	Waste classification and processing equipment, waste reduction or reuse.
8474.20	machinery for crushing or grinding.		used for solid waste treatment or recycling.
8474.39	Machinery for mixing or kneading: other	Other machines for mixing or kneading, in solid form materials.	Waste classification and processing equipment, waste reduction or reuse.

8474.80	Machinery for sorting, screening, separating, washing, crushing, grinding, mixing or kneading earth, stone or other mineral substances, in solid form; machinery for agglomerating, shaping or moulding solid mineral fuels, ceramic paste, unhardened cements, plastering materials or other mineral products in powder or paste form; machines for forming foundry moulds of sand: other.	Machines for agglomerating, moulding, forming, in solid form materials.	Waste reduction or reuse.
8474.90	Machinery for sorting, screening, separating, washing, crushing, grinding, mixing or kneading earth, stone or other mineral substances, in solid form; machinery for agglomerating, shaping or moulding solid mineral fuels, ceramic paste, unhardened cements, plastering materials or other mineral products in powder or paste form; machines for forming foundry moulds of sand: parts.	Parts of machines of heading 84.74	Waste classification and processing equipment, waste reduction or reuse.
8479.82	Machines and mechanical appliances having individual functions, not specified or included elsewhere in this chapter: other machines and mechanical appliances: mixing, kneading, crushing, grinding, screening, sifting, homogenising, emulsifying or stirring machines.	Waste sorting, screening, crushing, grinding, shredding, washing and compacting devices. agitator for wastewater treatment; flash mixer and flocculator.	Used to prepare waste for recycling; mixing of wastewater during treatment; preparing organic waste for composting; (composting can minimise the amount of waste going to landfill as well as recovering the valuable nutrient and energy content of the waste).
8479.89	Machines and mechanical appliances having individual functions, not specified or included elsewhere in this chapter: other machines and mechanical appliances: other.	Optional ex-outs may include; trash and other waste presses; shredders; dust collection and storage devices; water and wastewater collecting and sampling equipment; chlorine generators; equipment for solid/liquid separation; flocculation or thickening of sewage sludge; machinery and apparatus for landfill gas monitoring; anaerobic digesters for treatment of organic waste including production of biogas; machinery and apparatus for landfill leachate treatment; machinery,	Machines and appliances designed for a wide range of areas of environmental management including waste, waste water, drinking water production and soil remediation. in-vessel composting systems can handle large amounts of waste and speed up decomposition. trash compactors reduce the volume of solid waste, allowing more efficient transport and disposal.

		apparatus and vehicles for composting; soil sampling equipment; soil remediation equipment; machines and appliances for oil spill recovery; and aquatic weed harvesters.	
8479.90	Machines and mechanical appliances having individual functions, not specified or included elsewhere in this chapter: other machines and mechanical appliances: parts	Parts for 8479.82x and 8479.89x.	(same as 8479.89) machines and appliances designed for a wide range of areas of environmental management including waste, waste water, drinking water production and soil remediation. in-vessel composting systems can handle large amounts of waste and speed up decomposition. trash compactors reduce the volume of solid waste, allowing more efficient transport and disposal.
8481.80	Taps, clocks, valves and similar appliances for pipes, boiler shells, tanks, vats or the like, including pressure-reducing valves and thermostatically controlled valves: other appliances.		For handling and transport of wastewater or slurries during treatment.
8481.90	Taps, clocks, valves and similar appliances for pipes, boiler shells, tanks, vats or the like, including pressure-reducing valves and thermostatically controlled valves: parts.		For effective management, control, handling and transport of water.
8483.40	Gears and gearing, other than toothed wheels, chain sprockets and other transmission elements presented separately; ball or roller screws; gear boxes and other speed changers, including torque converters.	Gearboxes for wind turbines.	Gearboxes transform the (relatively slow) rotation of the blades of wind turbines into the speed required to produce (renewable) electricity.
8483.60	Clutches and shaft couplings (including universal joints)	Clutches and shaft couplings imported for use with wind turbines to produce electricity.	Used for initial assembly, repair, and maintenance of wind energy systems.
8501.62	electric generators: ac generators (alternators) of an output exceeding 75 kva but not exceeding 375 kva.		used in conjunction with boiler and turbines (also listed under 8406.81 and 8406.82) to generate electricity in renewable energy plants. must use

			these turbines and generators in combination to produce electricity from renewable fuels (e.g., biomass). size is "exceeding 75 kva but not exceeding 375 kva".
8501.63	Electric generators: ac generators (alternators) of an output exceeding 375 kva but not exceeding 750 kva.		Used in conjunction with boiler and turbines (also listed under 8406.81 and 8406.82) to generate electricity in renewable energy plants. must use these turbines and generators in combination to produce electricity from renewable fuels (e.g., biomass). size is "exceeding 75 kva but not exceeding 375 kva".
8501.64	Electric generators: ac generators (alternators) of an output exceeding 750 kva.		Used in conjunction with boiler and turbines (also listed under 8406.81 and 8406.82) to generate electricity in renewable energy plants. must use these turbines and generators in combination to produce electricity from renewable fuels (e.g., biomass). size is "exceeding 750 kva."
8502.31	Electric generating sets and rotary converters: other generating sets: wind-powered.		Electricity generation from a renewable resource (wind).
8502.39	Electric generating sets and rotary converters: other generating sets: other.	Optional ex-outs may include: combined heat and power systems using biomass and/or biogas; portable solar power generation equipment; solar power electric generating sets; small hydro powered generating plant; wave power generating plant; and gas turbine sets for biomass plants.	Combined heat and power systems produce usable power (usually electricity) and heat at the same time. micro combined heat and power systems are very efficient for domestic use, particularly in places where reticulated natural gas and hot water central heating are the norm. 'distributed generation' also minimises transmission losses through national grids, reducing the need to increase centralised

			generating capacity and transmission networks.
8503.00	Parts suitable for use solely or principally with the machines of heading 85.01 or 85.02.	Parts for 8502.31 and optional ex-out may include : 8502.39x.	Parts of the generators and generating sets listed under 8483.40 (for renewable energy systems). relevant parts include for instance nacelles and blades for wind turbines.
8504.40	Electric static converters.	Inverters for use with machines of 8502.39 and 8541.40 to produce electricity.	Converts solar energy into electricity and can be used to convert dc current from the photovoltaic/solar cells into conventional ac electricity which can run many household and office products such as, kitchen appliances, microwaves, tvs, radios, computers and so on.
8504.90	Electric transformers, static converters (for example, rectifiers) and inductors: other.	Parts for 8504.40x.	Used to convert dc current from renewable energy generating sets into conventional ac electricity.
8505.90	Electro-magnets; permanent magnets and articles intended to become permanent magnets after magnetisation; electro-magnetic or permanent magnet chucks, clamps and similar holding devices; electro-magnetic couplings, clutches and brakes, electro-magnetic lifting heads: parts.	Electromagnet; parts of magnetic separator; magnetic pulley; suspended magnet and magnet drum.	Used to remove metal content from waste for recycling.
8507.80	Electric accumulators, including separators thereof, whether or not rectangular (including square): other accumulators.	Of a capacity no less than 100 kw	Advanced storage batteries allow utilities to easily shift loads between peak and off-peak periods, thus significantly reducing network losses and enhancing energy efficiency. these batteries also facilitate utility-level integration of renewable energy and support the smart grid.
8512.10	Electrical lighting or signalling equipment (excluding articles of heading 85.39), windscreen wipers, defrosters and demisters, of a kind used for cycles or motor vehicles: lighting or visual equipment of a kind used on bicycles.		Bicycles and their spare parts exert positive effect on reducing exhaust emissions from automobiles, air pollution and greenhouse effect, etc.
8514.10	Industrial or laboratory electric furnaces and ovens (including those functioning by	Optional ex-outs may include: waste	These products are used to destroy solid and

	duction or dielectric loss); other industrial or laboratory equipment for the heat treatment of materials by induction or dielectric loss: resistance heated furnaces and ovens.	incinerators and heat or catalytic incinerators.	hazardous wastes. catalytic incinerators are designed for the destruction of pollutants (such as voc) by heating polluted air and oxidation of organic components.
8514.20	Industrial or laboratory electric furnaces and ovens (including those functioning by induction or dielectric loss); other industrial or laboratory equipment for the heat treatment of materials by induction or dielectric loss: furnaces and ovens functioning by induction or dielectric loss.	Optional ex-outs may include: waste incinerators and heat or catalytic incinerators.	These products are used to destroy solid and hazardous wastes. catalytic incinerators are designed for the destruction of pollutants (such as voc) by heating polluted air and oxidation of organic components.
8514.30	Industrial or laboratory electric furnaces and ovens (including those functioning by induction or dielectric loss); other industrial or laboratory equipment for the heat treatment of materials by induction or dielectric loss: other furnaces and ovens.	Optional ex-outs may include: waste incinerators and heat or catalytic incinerators.	Catalytic incinerators are designed for the destruction of pollutants (such as voc) by heating polluted air and oxidation of organic components.
8514.90	Industrial or laboratory electric furnaces and ovens (including those functioning by induction or dielectric loss); other industrial or laboratory equipment for the heat treatment of materials by induction or dielectric loss: parts.	Optional ex outs include: parts for 8514.10x, 8514.30x and 8514.30x.	Parts for the equipment listed will facilitate the destruction of pollutants (such as voc) by heating polluted air and oxidation of organic components.
8516.29	Electric space heating apparatus and electric soil heating apparatus: other.	Electric soil heating apparatus.	Use heat to disinfect or remove organic compounds (e.g. pesticides, hydrocarbons) from soil, and to dry contaminated soil prior to treatment processes.
8258.51	Monitors and projectors, not incorporating television reception apparatus; reception apparatus for television, whether or not incorporating radio-broadcast receivers or sound or video recording or reproducing apparatus: other monitors of a kind solely or principally used in an automatic data processing system of heading 84.71.	LED screen - computer monitors	Low co2 emission, using less electricity
8528.59	Monitors and projectors, not incorporating television reception apparatus; reception apparatus for television, whether or not incorporating radio-broadcast receivers or sound or video recording or reproducing apparatus: other monitors.	LED screen - computer monitors	Low co2 emission, using less electricity
8539.31	Electric filament or discharge lamps, including sealed beam lamp units and ultra-violet or infra-red lamps; arc-lamps: discharge lamps, other than ultra-violet lamps:	For heat and energy management	Fluorescent lamps use less energy and produce less heat per lumen than incandescent bulbs,

	fluorescent, hot cathode.		benefitting heat and energy management.
8541.40	Photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light emitting diodes.	Photovoltaic cells, modules and panels.	Solar photovoltaic cells generate electricity in an environmentally benign manner (with no emissions, noise or heat generated). they are particularly suited to electricity generation in locations remote from an electricity grid.
8543.70	Electrical machines and apparatus, having individual functions, not specified or included elsewhere in this chapter: other machines and apparatus.	Ozone production system, uv water disinfection/treatment systems (water treatment)	UV light is extremely effective in killing and eliminating bacteria, yeasts, viruses, moulds and other harmful organisms. uv systems can be used in conjunction with sediment and carbon filters to create pure drinking water. water disinfection ozone (o3) can be used as an alternative to chlorine for water disinfection.
8543.90	Electrical machines and apparatus, having individual functions, not specified or included elsewhere in this chapter: parts	Parts for 8543.89x.	Water disinfection.
8712.00	Bicycles and other cycles (including delivery tricycles), not motorised.		Bicycles and their spare parts exert positive effect on reducing exhaust emissions from automobiles, air pollution and greenhouse effect, etc.
8714.91	Parts and accessories of vehicles of headings 87.11 to 87.13: other: frame and forks, and parts thereof.		Bicycles and their spare parts exert positive effect on reducing exhaust emissions from automobiles, air pollution and greenhouse effect, etc.
8714.92	Parts and accessories of vehicles of headings 87.11 to 87.13: other: wheel rims and spokes.		Bicycles and their spare parts exert positive effect on reducing exhaust emissions from automobiles, air pollution and greenhouse effect, etc.
8714.94	Parts and accessories of vehicles of headings 87.11 to 87.13: other: brakes, including coaster braking hubs and hub brakes, and parts thereof.		Bicycles and their spare parts exert positive effect on reducing exhaust emissions from automobiles, air pollution and greenhouse effect, etc.
8714.95	Parts and accessories of vehicles of headings 87.11 to 87.13: other: saddles.		Bicycles and their spare parts exert positive effect



			on reducing exhaust emissions from automobiles, air pollution and greenhouse effect, etc.
8714.96	Parts and accessories of vehicles of headings 87.11 to 87.13: other: pedals and crank-gear, and parts thereof.		Bicycles and their spare parts exert positive effect on reducing exhaust emissions from automobiles, air pollution and greenhouse effect, etc.
8714.99	Parts and accessories of vehicles of headings 87.11 to 87.13: other: other.		Bicycles and their spare parts exert positive effect on reducing exhaust emissions from automobiles, air pollution and greenhouse effect, etc.
9001.90	Optical fibres and optical fibre bundles; optical fibre cables other than those of heading 85.44; sheets and plates of polarising material; lenses (including contact lenses), prisms, mirrors and other optical elements, of any material, unmounted, other than such elements of glass not optically worked: other.	Solar concentrator systems.	Used to concentrate and intensify solar power in a solar energy system.
9002.90	Lenses, prisms, mirrors and other optical elements, of any material, mounted, being parts of or fittings for instruments or apparatus, other than such elements of glass not optically worked: other.	Solar concentrator systems.	Used to concentrate and intensify solar power in a solar energy system.
9013.80	Liquid crystal devices not constituting articles provided for more specifically in other headings: lasers, other than laser diodes; other optical appliances and instruments, not specified or included elsewhere in this chapter: other devices, appliances and instruments.	Solar heliostats.	Heliostats orient mirrors in concentrated solar power systems to reflect sunlight on to a csp receiver.
9013.90	Liquid crystal devices not constituting articles provided for more specifically in other headings: lasers, other than laser diodes; other optical appliances and instruments, not specified or included elsewhere in this chapter: parts and accessories	Parts for solar heliostats	Heliostats orient mirrors in concentrated solar power systems to reflect sunlight on to a csp receiver.
9015.80	Surveying (including photogrammetrical surveying), hydrographic, oceanographic, hydrological, meteorological or geophysical instruments and appliances, excluding compasses; rangefinders: other instruments and appliances.		Includes instrument and appliances necessary for measuring the ozone layer and to monitor, measure and assist planning for natural risks such as earthquakes, cyclones, tsunamis etc.
9026.10	Instruments and apparatus for measuring of checking the flow or level of liquids.	Air quality monitors; and dust emissions monitors.	Meters, which check and record the level and/or flow of liquids or gases, are routinely used during

			complex auditing and testing to ensure the efficient operation of environmental systems such as water and wastewater treatment plants, air pollution control systems, and hydroelectric facilities.
9026.20	Instruments and apparatus for measuring of checking pressure.		Manometers (devices that measure pressure) are used in power plants, water delivery systems, and other applications such as monitoring indoor air. there are two principal types: digital manometers and tube manometers, both of which have important environmental applications.
9026.80	Instruments and apparatus for measuring of checking the flow, level, pressure or other variables of liquids or gases (for example, flow meters, level gauges, manometers, heat meters), excluding instruments and apparatus of heating 90.14, 90.15, 90.28 or 90.32: other.		These instruments include heat meters that are used to monitor and measure the distribution of heat from geothermal or biomass district heating systems.
9026.90	Instruments and apparatus for measuring of checking the flow, level, pressure or other variables of liquids or gases (for example, flow meters, level gauges, manometers, heat meters), excluding instruments and apparatus of heating 90.14, 90.15, 90.28 or 90.32: parts and accessories.		These are parts for the instruments and devices in 9026.10, 9026.20, and 9026.80.
9027.10	Instruments and apparatus for gas or smoke analysis.	Air pollution emission monitoring systems	Gas analysers are designed to continuously monitor single or multiple gas components, and such an instrument is used to analyse air emissions from automobiles.
9027.20	Chromatographs and electrophoresis instruments		Gas and liquid chromatographs use an analytical method where a physical separation of the sample components occurs prior to detection. these instruments can be use to monitor and analyse air pollution emissions, ambient air

			quality, water quality, etc. electrophoresis instruments can be used to monitor and analyse materials such as particulates emitted from incinerators or from diesel exhaust.
9027.30	Spectrometers, spectrophotometers and spectrographs; using optical radiations (uv, visible, ir)		Spectrometers are used in a wide range of environmental applications, including to identify and characterise unknown chemicals and in environmental applications to detect toxins and identify trace contaminants. they are also used for qualitative and quantitative analysis <i>inter alia</i> in quality control departments, environmental control, water management, food processing, agriculture and weather monitoring.
9027.50	Instruments and apparatus; using optical radiations (uv, visible, ir), (other than spectrometers, spectrophotometers and spectrographs)		These instruments can be used for chemical, thermal, or optical analysis of samples, including water quality photometers which are used to determine the concentration of a solution from its colour intensity.
9027.80	Instruments and apparatus; for physical or chemical analysis; instruments and apparatus for measuring or checking viscosity, porosity, expansion, surface tension or the like; instruments and apparatus for measuring or checking quantities of heat, sound or light(including exposure meters); microtomes: other instruments and apparatus	Optional ex-out may include: for analysing noise, air, water and hydrocarbons and heavy metals in soil.	These instruments include: magnetic resonance instruments which are used in biologic and geologic analysis; and mass spectrometers which are used to identify elements and compounds.
9027.90	Instruments and apparatus; for physical or chemical analysis; instruments and apparatus for measuring or checking viscosity, porosity, expansion, surface tension or the like; instruments and apparatus for measuring or checking quantities of heat, sound or light(including exposure meters); microtomes: microtomes; parts and accessories.	Optional ex-outs may include: parts for 9027.10 and 9027.80x.	These instruments include microtomes which are devices that prepare slices of samples for analysis. also included here are parts of the instruments classified in 90.27 and described above.

9028.10	gas, liquid or electricity supply or production meters, including calibrating meters thereof: gas meters.		meters are necessary to measure and regulate use and hence enable more efficient use of the resource. in particular, these gas meters are generally designed for use with natural gas and propane, but may include those designed for other gases such as helium.
9031.49	Measuring or checking instruments, appliances and machines, not specified or included elsewhere in this chapter; profile projectors: other optical instruments and appliances: other.		Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.
9031.80	Measuring or checking instruments, appliances and machines, not specified or included elsewhere in this chapter; profile projectors: other instruments, appliances and machines.	Optional ex-out may include: vibrometers, hand vibration meters.	These products include <i>inter alia</i> , items such as vibrometers (that measure vibrations and assess structural and other effects of such vibrations) and electron microscopes for laboratory and testing applications.
9031.90	Measuring or checking instruments, appliances and machines, not specified or included elsewhere in this chapter; profile projectors: parts and accessories.	Optional ex-out may include: parts for 9031.80x.	These are parts for the equipment classified in 9031 and described above.
9032.10	Automatic regulating or controlling instruments and apparatus: thermostats.		Products include thermostats that control the efficiency of air conditioning, refrigeration or heating systems.
9032.20	Automatic regulating or controlling instruments and apparatus: manostats.		Manostats measure and monitor pressure and are used for controlling pumps and chemical feed equipment in applications such as wastewater treatment.
9032.81	Automatic regulating or controlling instruments and apparatus: other instruments and apparatus: hydraulic or pneumatic.		These include control-related instruments and apparatus which have many environmental applications such as water treatment, wastewater treatment, air pollution control as well as efficient process controls for many industrial applications.

9032.89	Automatic regulating or controlling instruments and apparatus: other instruments and apparatus: other.	Optional ex-outs may include: heliostats, temperature sensor for solar boiler/water heater; differential temperature controller for solar boiler/water heater.	These include other automatic voltage and current regulators which have renewable energy applications as well as other process control instruments and apparatus for temperature, pressure, flow and level, and humidity applications.
9032.90	Automatic regulating or controlling instruments and apparatus: parts and accessories.		These are the parts for the automatic regulating and control instruments classified in 90.32 and described.
9033.00	Parts and accessories (not specified or included elsewhere in this chapter) for machines, appliances, instruments or apparatus of chapter 90.		These are the parts and accessories for the products described above.
9405.10	Chandeliers and other electric ceiling or wall light fittings, excluding those of a kind used for lighting public open spaces or thoroughfares of plastics.	Lighting fittings using led lamp	Compared with the conventional fluorescent or incandescent lamps, it is long life, low power consumption, energy saving and no toxic substance (mercury free).
9405.20	Electric table, desk, beside or floor-standing lamps.	Lighting fittings using led lamp	Compared with the conventional fluorescent or incandescent lamps, it is long life, low power consumption, energy saving and no toxic substance (mercury free).
9405.40	Other electric lamps and lighting fittings.	Lighting fittings using led lamp	Compared with the conventional fluorescent or incandescent lamps, it is long life, low power consumption, energy saving and no toxic substance (mercury free).