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INITIAL LIST OF ENVIRONMENTAL GOODS PROPOSED

Submission by the Republic of Korea

Paragraph 31(iii)

The following communication, dated 18 February 2005, is being circulated at the request of the Delegation of the Republic of Korea.

I. INTRODUCTION

1. The Republic of Korea welcomes the progress made so far in the discussion of the CTESS on Paragraph 31(iii) in an analytical and pragmatic manner. Though both conceptual and practical approaches have proven useful in enhancing our understanding of various issues related to the identification of environmental goods, Korea views, at this stage of discussion, that the practical approach of submitting concrete lists would be a more useful way forward to proceed in the negotiation. Through the product nomination by the Members, we expect the Members to consider specific product coverage and to develop a workable list of environmental goods for the negotiation on tariff liberalization under Para 31(iii).

2. In this light, with a view to facilitating the negotiations, the Republic of Korea would like to provide an initial list of environmental goods, as compiled in the annex attached. The initial list was developed through a series of domestic consultations with industries, NGOs, and other interested stakeholders.

3. This submission on the list of environmental goods is preliminary in nature. Korea reserves the right to make any necessary amendments or supplements at a later stage to further develop the proposed list of environmental goods. This is also without prejudice to any position that it might take in future negotiations.

II. CRITERIA FOR IDENTIFYING ENVIRONMENTAL GOODS

4. In order to maximize the benefits arising from the liberalization of environmental goods, we believe that this negotiation should be aimed at a list of environmental goods that could be broadly accepted and applied to all WTO Members. To this end, the criteria for the identification of environmental goods must be practical and simple.

5. On this basis, in the establishment of the proposed preliminary list, we used the following criteria, based on the discussion held to date, of which we believed exists a widespread support among many Members:

- The end use of the products should be primarily for an environmental purpose. The products with other significant uses are excluded;
- The products should be classifiable under the HS code, or for which ex-outs could clearly be developed based on its physical characteristics or environmental purpose;
- For practical reasons, environmentally preferable products (EPPs) and goods that are defined by PPM or their superior environmental performances (i.e., to produce relative environmental benefits) are excluded. This is also to be in line with the WTO and the WCO practices to classify products based on physical characteristics.

6. To sum up, in the absence of an international consensus on the definition of environmental goods, we resort to “end-use” and “practicability” as the most useful criteria for the purpose of tariff liberalization negotiations. The end-use criteria could create identification problems at customs since there are many multiple-use products under the current HS codes that have little environmental application. However, we consider that issues raised by the end-use criteria could be better tackled compared to issues that arise from PPM and relative environmental benefits.

III. PROPOSED LIST OF ENVIRONMENTAL GOODS

7. On the basis of the above criteria, we have selected 89 products with corresponding HS codes in the annex attached, using both the OECD and the APEC lists. Most products are under the “pollution management” category, which most Members agree is an area that should be included in the definition of environmental goods.

8. The products are classified under the following subgroups of “air pollution control”, “wastewater management”, “solid/hazardous waste management”, “remediation/clean up of soil and water”, “noise/vibration abatement”, “monitoring/analysis.”

IV. CONCLUSION

9. The initial list of environmental goods proposed is not drawn up for negotiation *per se* at the current stage, but is only intended for positive contributions to facilitate the discussion.

10. It is clear from our experience that there are many additional products that might be identified as environmental goods based on their contribution to the environmental protection. Energy efficiency products are one such example that could be considered for inclusion on the basis of their potential environmental benefits. However, we would like to emphasize again that in the context of market access negotiation, using simple and practical criteria will provide a better chance of success in reaching an agreement among WTO Members.

11. Korea encourages other Members to provide a list of environmental goods of their choice. Through such an approach, we hope the CTESS discussion will advance in a more concrete and practical manner. As the first step of negotiation, Members could focus on the development of a workable list of environmental goods and then deal with practical considerations such as dual use and tariff classifications including “ex heading” goods, utilizing the activities already conducted in other fora.

ANNEX: INITIAL LIST OF ENVIRONMENTAL GOODS

No.	Class	HS Code	HS Description	EX
1	APC	840410	Auxiliary plant for use with boilers of heading No. 8402 or 8403 (for example, economizers, super-heaters, soot removers, gas recoverers)	Economizer Super-heater Soot recoverer Gas recoverer
2	APC	840510	Producer gas or water gas generators, with or without their purifier; acetylene gas generators and similar water process gas generator, with or without their purifiers	Include only those with purifiers
3	APC	841440	Air compressors mounted on a wheeled chassis for towing	
4	APC	841459	Fans (and blowers) other than table, floor, window, ceiling or roof fans with a self contained electric motor of an output not exceeding 125W	
5	APC	841480	Other air or gas compressors or hoods	
6	APC	842139	Filtering or Purifying Machinery and Apparatus for Gases; other	For purifying exhaust gas for vehicles of Chapter 87, for the treatment of harmful exhaust gas
7	APC	842199	Parts of filtering or purifying machinery and apparatus for liquids or gases	For purifying exhaust gas for vehicles of Chapter 87
8	APC	841960	Machinery for liquefying air or other gases	
9	APC	841780	Industrial or laboratory furnaces and ovens, including incinerators, non-electric; other	Waste incinerators or other waste treatment apparatus
10	APC	851420	Industrial or Laboratory Furnaces and Ovens; electric, induction or dielectric	Waste incinerators or other waste treatment apparatus
11	APC	851490	Parts of industrial or laboratory electric furnaces and ovens; other laboratory induction or dielectric heating equipment	Parts of waste incinerators
12	APC	842490	Parts for sprayers for powders or liquids	Deflash machines for cleaning and removing, spraying appliances
13	WWM	841440	Air compressors mounted on a wheeled chassis for towing	
14	WWM	841480	Other air or gas compressors or hoods	
15	WWM	854389	Electrical machines and apparatus, having individual functions, not specified or included elsewhere in this chapter; other	Ionized water purifier, ozone production system
16	WWM	280110	Chlorine	
17	WWM	281410	Anhydrous ammonia	
18	WWM	283220	Other sulphites	Ammonium sulphite Potassium sulphites Calcium sulphites
19	WWM	283525	Calcium hydrogenorthophosphate (dicalcium phosphate)	
20	WWM	283526	Other phosphates of calcium	
21	WWM	842121	For filtering or purifying water	
22	WWM	842129	Other machinery for purifying liquids	

No.	Class	HS Code	HS Description	EX
23	WWM	842199	Parts for filtering or purifying machinery	Filter for purifying machinery
24	WWM	842119	Other centrifuges	Other than centrifuges for medical, laboratory, food industry, petrochemical industry
25	WWM	842191	Parts of centrifuges	
26	WWM	392690	Other articles of plastics and articles of other materials of headings 3901 to 3914; other	Bio-film medium that consists of woven fabric sheets that facilitate the growth of bio-organisms and rotating biological contactor consisting of stacks of large (HDPE) plates that facilitate the growth of bio-organisms
27	WWM	560314	Non-wovens, whether or not impregnated, coated, covered or laminated: of manmade filaments; weighing more than 150 g/m ²	Fabric of polyethylene, polypropylene, or nylon for filtering wastewater
28	WWM	580190	Woven pile & chenille fabrics of other textile materials	
29	WWM	591190	Textile products and articles, for technical uses, specified in note 7 to this chapter; other	Environmental protection cloth
30	WWM	730900	Reservoirs, tanks, vats and similar containers, of iron or steel, > 300 litres	
31	WWM	731010	Tanks, casks, drums, cans, boxes, of iron or steel, capacity >50 litres <300 litres	
32	WWM	731021	Cans which are to be closed by soldering or crimping, capacity less 50L	
33	WWM	731029	Other cans which are to be closed by soldering or crimping, capacity less 50L	
34	WWM	841011	Hydraulic turbines and water wheels of a power not exceeding 1,000 kW	
35	WWM	841012	Hydraulic turbines and water wheels of a power exceeding 1,000 kW but not exceeding 10,000 kW	
36	WWM	841013	Hydraulic turbines and water wheels of a power exceeding 10,000 kW	
37	WWM	841090	Hydraulic turbines and water wheels; parts, including regulators	
38	WWM	841780	Industrial or laboratory furnaces and ovens, including incinerators, non-electric; other	Waste incinerators or other waste treatment apparatus
39	WWM	842490	Parts for sprayers for powders or liquids	Deflash machines for cleaning and removing, spraying appliances
40	WWM	842833	Other continuous-action elevators and conveyors, for goods or materials; other, belt type	Belt-type above ground conveyor used to transfer solids or slurries between plants
41	WWM	847982	Mixing, kneading, crushing, grinding, screening, sifting, homogenizing emulsifying or stirring machines	Agitator for wastewater treatment

No.	Class	HS Code	HS Description	EX
42	WWM	851420	Furnaces and ovens; functioning by induction or dielectric los	Waste incinerators or other waste treatment apparatus
43	WWM	851490	Parts of industrial or laboratory electric furnaces and ovens; other laboratory induction or dielectric heating equipment	Parts of waste incinerators
44	WWM	732510	Other cast articles of non-malleable cast iron	
45	WWM	841320	Hand pumps other than those of subheading 8413.11 or 8413.19	
46	WWM	841350	Other reciprocating positive displacement pumps	Pumps for sewage and wastewater treatment
47	WWM	841360	Pumps for liquids, whether or not fitted with a measuring device; other rotary positive displacement pumps	Pumps for sewage and wastewater treatment
48	WWM	841370	Pumps for liquids, whether or not fitted with a measuring device; other centrifugal pumps	Pumps for sewage and wastewater treatment
49	WWM	841381	Pumps for liquids, whether or not fitted with a measuring device; other pumps	Pumps for sewage and wastewater treatment
50	WWM	902610	Instruments and apparatus for measuring or checking the flow or level of liquid	
51	WWM	902620	Instruments and apparatus for measuring or checking pressure	
52	S/H	681099	Other articles of cement, of concrete or of artificial stone, whether or not reinforced	
53	S/H	851629	Other electric space heating and soil heating apparatus	
54	S/H	901320	Lasers, other than laser diodes	
55	S/H	960350	Other brushes constituting parts of machines, appliances or vehicles	
56	S/H	960390	Hand-operated mechanical floor sweepers, not motorised, mops	
57	S/H	392020	Other plates, sheets, film, foil, strip of polymers of propylene(non-cellular)	
58	S/H	846291	Hydraulic presses	Shredders/balers for metals; hydraulic
59	S/H	847290	Other office machines	Paper shredders
60	S/H	847410	Sorting, screening, separating or washing machines	Waste foundry sand reclamation equipment
61	S/H	842220	Machinery for cleaning or drying bottles or other containers	
62	S/H	847432	Machines for mixing mineral substances with bitumen	Asphalt recycle equipment
63	S/H	847439	Other mixing or kneading machines for earth, stone, sand, etc	
64	S/H	847982	Mixing, kneading, crushing, grinding, screening, sifting, homogenizing emulsifying or stirring machines	Crushers and grinders for solid waste
65	S/H	841790	Parts of industrial or laboratory furnaces and ovens, including incinerators, non-electric	Parts of waste incinerators
66	S/H	851420	Furnaces and ovens; functioning by induction or dielectric los	Waste incinerators or other waste treatment apparatus

No.	Class	HS Code	HS Description	EX
67	S/H	851490	Parts of industrial or laboratory electric furnaces and ovens: other laboratory induction or dielectric heating equipment	Parts of waste incinerators
68	R/C	851629	Other electric space heating and soil heating apparatus	
69	R/C	901320	Lasers, other than laser diodes	
70	R/C	854389	Electrical machines and apparatus, having individual functions, not specified or included elsewhere in this chapter; other	Ozone production system
71	R/C	890790	Other floating structures	Pollution Protection booms
72	N/V	840991	Parts suitable for use solely or principally with the engines of heading No. 8407 or 8408; suitable for use solely or principally with spark-ignition internal combustion piston engines.	Industrial mufflers
73	N/V	840999	Parts suitable for use solely or principally with the engines of heading No. 8407 or 8408; other	Vehicle mufflers
74	N/V	870892	Silencers and exhaust pipes	
75	M/A	690310	Other refractory ceramic goods (for example, retorts, crucibles, muffles, nozzles, plugs, supports, cupels, tubes, pipes, sheaths and rods), other than those of siliceous fossil meal or of similar siliceous earths; containing by weight more than 50% of graphite or other carbon or of a mixture of these products	Laboratory refractory equipment
76	M/A	690320	Other refractory ceramic goods (for example, retorts, crucibles, muffles, nozzles, plugs, supports, cupels, tubes, pipes, sheaths and rods), other than those of siliceous fossil meal or of similar siliceous earths; containing by weight more than 50% of alumina (Al ₂ O ₃) or of a mixture or compound of alumina and silica (SiO ₂)	Laboratory refractory equipment
77	M/A	690390	Other refractory ceramic goods (for example, retorts, crucibles, muffles, nozzles, plugs, supports, cupels, tubes, pipes, sheaths and rods), other than those of siliceous fossil meal or of similar siliceous earths; other	Laboratory refractory equipment
78	M/A	701710	Laboratory, hygienic or pharmaceutical glassware, whether or not graduated or calibrated; of fused quartz or other fused silica	
79	M/A	701720	Laboratory, hygienic or pharmaceutical glassware, whether or not graduated or calibrated; of other glass having a linear coefficient of expansion not exceeding 5×10^{-6} per Kelvin within a temperature range of 0°C to 300°C	
80	M/A	841480	Other air or gas compressors or hoods	
81	M/A	841960	Machinery for liquefying air or other gases	

No.	Class	HS Code	HS Description	EX
82	M/A	902580	Hydrometers and similar floating instruments, thermometers pyrometers, barometers, hygrometers, and psychrometers, recording or not, and any combination of these instruments; other instruments	
83	M/A	902590	Hydrometers and similar floating instruments, thermometers pyrometers, barometers, hygrometers, and psychrometers, recording or not, and any combination of these instruments: parts and accessories	
84	M/A	902610	Instruments and apparatus for measuring or checking the flow or level of liquid	
85	M/A	902620	Instruments and apparatus for measuring or checking pressure	
86	M/A	902680	Other instruments and apparatus	
87	M/A	902690	Parts and accessories for articles of subheading 9026	
88	M/A	902720	Chromatographs and electrophoresis instruments	
89	M/A	902740	Exposure meters	
90	M/A	902750	Other instruments and apparatus using optical radiations (UV, visible, IR)	
91	M/A	902780	Other instruments and apparatus for physical or chemical analysis	
92	M/A	902790	Microtomes; parts and accessories	
93	M/A	902890	Parts and accessories for articles of subheading 9028	
94	M/A	903010	Instruments and apparatus for measuring or detecting ionising radiations	
95	M/A	903031	Multimeters	
96	M/A	903039	Other instruments and apparatus, for measuring or checking voltage, current, resistance or power, without a recording device	Volt meters Am meters Circuit testers Resistance meters Galvano meters
97	M/A	903083	Other instruments and apparatus for measuring or checking electrical quantities, with a recording device	
98	M/A	903090	Parts and accessories for nominated articles of subheading 9030	
99	M/A	903130	Profile Projectors	
100	M/A	903149	Other optical instruments	
101	M/A	903190	Parts and accessories for nominated articles of subheading 9031	
102	M/A	903220	Manostats	
103	M/A	903281	Hydraulic or Pneumatic Instruments and Apparatus	
104	M/A	903289	Automatic Regulating or Controlling Instruments; other	
105	M/A	903290	Parts and accessories for nominated articles of subheading 9032	

No.	Class	HS Code	HS Description	EX
106	M/A	903300	Parts and accessories (not specified or included elsewhere in this chapter) for machines, appliances, instruments or apparatus of ch. 90	

APC = Air Pollution Control
WWM = Waste Water Management
S/H = Solid/Hazardous Waste Management
R/C = Remediation and cleanup
N/V = Noise/vibration abatement
M/A= Monitoring/Analysis
