WORLD TRADE ORGANIZATION

TN/TE/20
21 April 2011

(11-2083)

Committee on Trade and Environment
Special Session

COMMITTEE ON TRADE AND ENVIRONMENT IN SPECIAL SESSION

Report by the Chairman, Ambassador Manuel A. J. Teehankee,
to the Trade Negotiations Committee

1. This report to the Trade Negotiations Committee (TNC) provides an update of progress made in the Committee on Trade and Environment in Special Session (CTESS) since my last written report to the TNC in March 2010.[1] It also aims at identifying areas that will require further attention from Members to bring negotiations to a successful conclusion on all three parts of the mandate in Paragraph 31 of the Doha Ministerial Declaration. The report reflects the work undertaken pursuant to the announcement by the Chairman of the TNC in November 2010 of an intensive work programme through the beginning of 2011, and complies with his guidance for draft texts to be developed so they may appear towards the end of the first quarter of 2011.

I. PARAGRAPHS 31(I) AND (II)

2. Paragraph 31(i) considers the relationship between existing WTO rules and specific trade obligations (STOs) set out in multilateral environmental agreements (MEAs). Paragraph 31(ii) considers procedures for regular information exchange between MEA secretariats and the relevant WTO committees, and the criteria for the granting of observer status.

3. I am pleased to report and attach a draft Ministerial Decision on Paragraphs 31(i) and 31(ii) in Annex I, while at the same time express caution that this is not an agreed text nor is it in complete or final form. Everything is conditional in the deepest sense and requires further engagement and deliberations in open-ended session, consistent with the bottom-up, Member-driven process, and our customary negotiating principles of inclusiveness and transparency.

4. The format is based on Members having converged on the idea of a combined outcome under Paragraphs 31(i) and 31(ii) in the format of a Ministerial Decision. There has been important work carried out in the CTESS and the draft Ministerial Decision is an attempt to capture the progress made. The language in the draft Ministerial Decision is derived from Members' textual proposals and inputs of Members during the recent intensive process of consultations in varying configurations. In some instances, the textual language represents the Chairman's best perception of discussions and consultations held in the CTESS, particularly in the period February and March 2011.

5. The draft Ministerial Decision includes square brackets in some places to highlight options, areas of divergence or aspects requiring focused discussion. Where possible, explanations of the debate are provided in footnotes. There are also some proposals which are contained in boxes in the draft Ministerial Decision or which are reflected in Annexes I.A or I.B which either have not yet been

[1] As with TN/TE/19 (Report by the Chairman to the TNC, 22 March 2010), this report is circulated under the Chair's own responsibility and is without prejudice to the position of WTO Members in the negotiations.

fully discussed in the CTESS or may still require considerable further work and discussion to arrive at a common textual formulation.

II. PARAGRAPH 31(III)

6. Paragraph 31(iii) of the Doha Ministerial Declaration considers the reduction or elimination of tariff and non-tariff barriers to trade in environmental goods and services. The format of an outcome under Paragraph 31(iii) is still open although stated options and components have become clearer. The draft Ministerial Decision format of Paragraphs 31(i) and 31(ii) provides a point of reference.

7. On the identification of environmental goods, much work has been done since the circulation of the compilation of environmental goods of interest in my March 2010 Report to the TNC (TN/TE/19). Annex II.A to this report, which contains the reference universe of environmental goods of interest to Members, is based on HS-6 lines submitted by Members as they were reflected in Annex III of the March 2010 Report to the TNC, also JOB/TE/3/Rev.1 (5 January 2011) and any subsequent submissions. This compilation of Members' submissions is without prejudice to the outcome or the debate on whether the Committee should define what an environmental good is.

8. Annex II.A as well as document JOB/TE/3/Rev.1 (5 January 2011), are intended to be useful to Members across all approaches.[2] There are six broad categories under which goods have been submitted[3]: air pollution control, renewable energy, waste management and water treatment, environmental technologies, carbon capture and storage and others, and these categories are all indicated in the right column of Annex II.A.

9. A group of Members identified, on an illustrative basis, a number of tariff lines from the reference universe, and these are reflected in Annex II.B. Preliminary discussions on these goods showed that some of the goods included in this set could be considered by the membership as clear environmental goods, as long as they can be specifically identified in the HS classification by an ex-out or otherwise.

10. Over the years, the work on environmental goods identification has shown that a number of technical difficulties remain. Further work needs to be undertaken by delegations and their experts in this respect, including on the verification of HS description and the determination of ex-outs or sub-classifications. Such technical work should be done without prejudice to the approach and the final outcome.

11. Based on a review of all proposals on the table as reflected in the document TN/TE/INF/4/Rev.15 (28 March 2011) and subsequent submissions as well as the views of Members expressed in consultations on the structure of the outcome, there are still essentially four areas that will require Members' focused efforts to arrive at a draft outcome and modalities.[4] These are:

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[2] For instance, in the project approach, which identifies environmental activities, the reference universe contains various environmental categories or activities that may be relevant to the identified HS lines. In the request and offer, it can serve as a tool to indicate products of interest for requests and/or offers. In the combined approach, the required alpha or beta lines would be drawn from the reference universe submitted to the CTESS. In the hybrid approach, it could provide a basis for a self-selection by Members.

[3] As reflected in Annex III of the March 2010 Report to the TNC and in document JOB/TE/3/Rev.1 (5 January 2011).

[4] These proposals are reflected in document TN/TE/INF/4/Rev.15 (28 March 2011) and subsequent submissions. Members may also refer to document JOB/TE/20 which compiles the textual elements relevant to these four areas contained in Members' submissions under Paragraph 31(iii), from 2002 to date, and to a

A) Preambular Language;
B) Coverage;
C) Treatment of Tariffs and Non-Tariff Barriers, including Special and Differential Treatment; and
D) Cross-Cutting and Development Elements.

12. Much discussion has occurred through the years on the above four areas and the following paragraphs review, without prejudging the final outcome, the options and elements discussed in the negotiating process. These are drawn from all the approaches and proposals, which all remain on the table.

13. On ***preambular language***, Members agree that a successful outcome of the negotiations under Paragraph 31(iii) should deliver a triple-win in terms of trade, environment and development for WTO Members. First, the negotiations can benefit the environment by improving countries' ability to obtain high quality environmental goods at low cost or by enhancing the ability to increase production, exports and trade in environmentally beneficial products.[5] This can directly improve the quality of life for citizens in all countries by providing a cleaner environment and better access to safe water, sanitation or clean energy.

14. The liberalization of trade in environmental goods and services can be beneficial for development by assisting developing countries in obtaining the tools needed to address key environmental priorities as part of their on-going development strategies.[6] Finally, trade wins because these products become less costly and efficient producers of such technologies can find new markets. In addition, liberalizing trade in environmental goods will encourage the use of environmental technologies, which can in turn stimulate innovation and technology transfer.[7]

15. The primary area requiring delegations' urgent attention relates to agreeing on an approach to ***coverage.*** [8] The two most recent proposals – a hybrid approach and combined approach – were put forward in an effort to bridge the various proposals on the table and could therefore provide a starting point for structured discussions on coverage.

Secretariat Note compiling the various issues raised in Members' submissions under Paragraph 31(iii) in document JOB(07)/137 (17 September 2007).

[5] TN/TE/W/34 (United States, 19 June 2003), para. 3; TN/TE/W/47 (European Communities, 17 February 2005), para. 5; TN/TE/W/50/Rev.1 (Canada, 4 July 2006), para. 13; TN/MA/W/70, TN/TE/W/65 (Canada, European Communities, New Zealand, Norway, Singapore, Switzerland, and the United States, 9 May 2006), para. 2.3; TN/TE/W/57 (Switzerland, 6 July 2005), para. 4; TN/TE/W/54 (India, 4 July 2005), para. 2.

[6] TN/TE/W/55 (Cuba, 5 July 2005), para. 15; TN/TE/W/42 (China, 6 July 2004), para. 2; TN/TE/W/34 (United States, 19 June 2003), para. 3; TN/MA/W/70, TN/TE/W/65 (Canada, European Communities, New Zealand, Norway, Singapore, Switzerland, and the United States, 9 May 2006), para. 2.2; TN/TE/W/49/Suppl.1 (New Zealand, 16 June 2005), para. 17; JOB(06)/140 (Canada, the European Communities, New Zealand, Japan, Norway, the Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu, Switzerland, and the United States, 8 May 2006), para. 2; JOB(07)/146 (Brazil, 1 October 2007), para. 3; JOB/TE/17 (Bolivia, Venezuela, 24 March 2011), para. 3; JOB/TE/18 (SVEs, 1 April 2011), paras. 4-5; TN/TE/W/79 (China and India, 15 April 2011), para. 4.

[7] TN/TE/W/34 (United States, 19 June 2003), para. 3; TN/MA/W/70, TN/TE/W/65 (Canada, European Communities, New Zealand, Norway, Singapore, Switzerland, and the United States, 9 May 2006), para. 2.2-2.3; TN/TE/W/47 (European Communities, 17 February 2005), para. 5; TN/TE/W/74 (Argentina, 23 November 2009), para. 2; JOB/TE/5 (Singapore, 23 June 2010), para. 2.

[8] Delegations are referred to Annex II as well as the compilation of textual elements drawn from all proposals (JOB/TE/20) and also the Secretariat Note compiling the various issues raised under Paragraph 31(iii) in JOB(07)/137.

16. ***Attached at Annex II*** is a summary of the potential structures of an outcome on coverage, based on all approaches on the table. Delegations need to engage and work on the concrete elements of coverage to which the treatment modalities would apply.

17. On ***treatment***, although the treatment modalities proposed depend on the final structure considered, all proposals for options include a reduction of tariffs to zero for some products or a reduction including 0 for X and a 50 per cent cut after formula application and elimination of tariffs by certain set periods of time. During consultations, we have also touched on reducing and eliminating non-tariff barriers (NTBs) to trade in environmental goods and services. Members have noted the existence of NTBs in certain sectors and provided general ideas on how NTBs can be reduced, for instance by increasing transparency. Some general ideas for an outcome on NTBs were proposed, including in relation to transparency.[9]

18. As regards ***special and differential treatment*** for developing countries, lesser reductions, implementation delays and other forms of flexibilities were discussed. Product exemptions as well as the liberalization by developing country Members of a lesser number of tariff lines have also been envisaged.[10] For least-developed country Members and small and vulnerable economies, additional flexibilities could be envisaged.[11]

19. There are a number of important ***cross-cutting elements*** of the mandate and this relates to environmental services and to development aspects such as environmental technologies.

20. With respect to environmental services, the main work is occurring in the Committee on Trade in Services Special Session and one option is to draft textual elements cross-referring to the work there relating to enhanced commitments on environmental services. Another possibility would be that enhanced commitments on environmental services are associated with the environmental goods in the reference universe or categories or to an agreed set of environmental goods.[12]

21. Concerning environmental technologies, discussions have clearly highlighted the importance of these elements as being an integral part of an outcome.[13]

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[9] TN/TE/W/76 (Argentina and Brazil, 30 June 2010), Annex, para. 10.

[10] JOB/TE/16 and Corr. 1 (Mexico, Chile, 11 March 2011), para. 12; TN/TE/W/42 (China, 6 July 2004), para. 6; TN/TE/W/76 (Argentina and Brazil, 30 June 2010), Annex, para. 7

[11] JOB/TE/18 (Small, Vulnerable Economies (SVEs), 1 April 2011), para. 5.

[12] JOB(07)193/Rev.1 (European Communities, United States, 6 December 2007), para. 3.

[13] See TN/TE/W/79 (China and India, 15 April 2011), which provides further ideas on these aspects. JOB/TE/17 (Bolivia, Venezuela, 24 March 2011), para. 13. See also Part D of JOB/TE/20.

ANNEX I

DRAFT MINISTERIAL DECISION ON TRADE AND ENVIRONMENT

INTRODUCTORY COMMENT

The mains points covered in the draft Ministerial Decision below and Annexes I.A and I.B are summarised as follows:

- Members provided specific textual proposals for *preambular language* as reflected in the draft Ministerial Decision, covering such aspects as the mandate, the objective of sustainable development, mutual supportiveness of trade and environment, recognition of the different bodies of international law, and the importance of technical assistance and capacity building. A number of delegations have proposed other preambular texts for inclusion in the draft outcome, focusing on coherence and mutual supportiveness of MEAs and the WTO Agreement in the context of international law.

- The draft Ministerial Decision reflects the observation of Members in the CTESS that an *STO set out in an MEA* is understood to be one that requires an MEA party to take, or refrain from taking, a particular trade action. The sense of the Members of the CTESS has been to ensure there is no prescriptiveness in the description of an STO, and a few Members have questioned the need at all for a definition of STOs.

- Substantially all Members agree that an outcome should highlight the importance of *coordination at the national level* in the negotiation and implementation of STOs in MEAs and the value of sharing of domestic experiences in this regard in the Committee on Trade and Environment (CTE). The draft Ministerial Decision includes a provision that the CTE shall provide a forum for continued sharing of individual Members' experiences. One suggestion, raised during small group consultations, relates to coordination at the international level.

- The basic elements on *information exchange* for inclusion in a final outcome - holding of information exchange sessions with MEA secretariats; access to documents; and collaboration between WTO and MEA secretariats - are long established, as contained in Annex II of my March 2010 Report to the TNC.[1] These elements are reflected in specific textual provisions in the draft Ministerial Decision. Recent discussions among Members focused on the required level of detail in a final outcome and also whether information exchange sessions might be held not only in the CTE but also other relevant WTO committees.

- On *observer status*, consultations confirmed that two main issues remain in this area: (i) to arrive at a textual formulation that can facilitate appropriate MEA observer status in the CTE; and (ii) whether a decision may be included in a final outcome relating to pending MEA applications for observership in the Committee. On the first issue, the draft Ministerial Decision includes a textual formulation. On the issue of granting of observership to some MEA secretariats with longstanding participation in the work of the CTE, different formulations have been discussed in the CTESS and possible compromise language is reflected in the draft Ministerial Decision that will require further work among delegations.

- There is clear support and convergence that Members wish to deliver an outcome on *technical assistance and capacity building*. The draft Ministerial Decision reflects Members' proposals

[1] TN/TE/19 (Report by the Chairman to the TNC, 22 March 2010).

to give guidance to the CTE on the provision and development of technical assistance by the WTO Secretariat focused on the implementation of STOs set out in MEAs. In addition, there are proposals for the establishment of a group of experts on trade and environment to give advice on certain issues to developing country Members.[2] A provisional textual formulation is contained in the draft Ministerial Decision and further textual proposals are reflected in Annex I.A. This is a topic area where the proponent groups and delegations need to network further amongst themselves and with the wider membership.

- On *dispute settlement*, regarding the relationship between existing WTO rules and STOs in MEAs, the draft Ministerial Decision contains suggested compromise language largely based on the Swiss non-mandatory approach.[3] Further textual proposals derived from Members ideas and consultations are contained in Annex I.B, relating to the use of experts, on which divergences continue to remain.

DRAFT MINISTERIAL DECISION ON TRADE AND ENVIRONMENT
[DISCUSSION DRAFT BASED ON THE TEXTUAL PROPOSALS AND IDEAS OF MEMBERS WITH RESPECT TO PARAGRAPHS 31(I) AND 31(II)]

Ministers,

Recalling that:

- Paragraph 31(i) of the Doha Ministerial Declaration called for negotiations on the relationship between existing WTO rules and specific trade obligations (STOs) set out in multilateral environmental agreements (MEAs) and stated that the negotiations were to be limited in scope to the applicability of such existing WTO rules as among parties to the MEA in question, and were not to prejudice the WTO rights of any Member that is not a party to the MEA in question;

- Paragraph 31(ii) of the Doha Ministerial Declaration called for negotiations on procedures for regular information exchange between MEA secretariats and the relevant WTO committees, and the criteria for the granting of observer status; and

- Pursuant to Paragraph 32 of the Doha Ministerial Declaration, the outcome of negotiations carried out under Paragraphs 31(i) and 31(ii) was to be compatible with the open and non-discriminatory nature of the multilateral trading system, not to add to or diminish the rights and obligations of Members under existing WTO Agreements, in particular the Agreement on the Application of Sanitary and Phytosanitary Measures, nor alter the balance of these rights and obligations, and was to take into account the needs of developing and least-developed countries;

Affirming our commitment to the objective of sustainable development, as stated in the Preamble to the Marrakesh Agreement Establishing the World Trade Organization (WTO Agreement), and our conviction as stated in Paragraph 6 of the Doha Ministerial Declaration that the aims of upholding and safeguarding an open and non-discriminatory multilateral trading system, and

[2] JOB(08)/38 (African Group, 8 May 2008); JOB/TE/14 (ACP Group, 7 March 2011)
[3] TN/TE/W/77 (Switzerland, 4 November 2011).

acting for the protection of the environment and the promotion of sustainable development can and must be mutually supportive;[4]

Recalling also the 1994 Marrakesh Ministerial Decision on Trade and Environment which considered that there should not be, nor need be, any policy contradiction between upholding and safeguarding an open, non-discriminatory and equitable multilateral trading system on the one hand, and acting for the protection of the environment, and the promotion of sustainable development on the other;[5]

[*Noting that the Vienna Convention on the Law of Treaties states that every treaty in force is binding upon the parties to it and must be performed by them in good faith;*][6] [*Recognizing that both MEAs and the WTO Agreement are instruments of international law of equal standing between parties to the agreements, and that all provisions under international law should be implemented harmoniously and in good faith;*][7]

Committed to ensure coherence between international trade and environmental law in a mutually supportive way in order to continue to improve the architecture of international law to better cope with future challenges in an ever more interlinked world;[8]

Reaffirming that MEAs constitute the response of the international community to environmental problems and play an instrumental role in reinforcing the individual and collective actions of all Members;[9]

Recognizing the importance of technical assistance and capacity building in the field of trade and environment to developing countries, in particular the least-developed among them;

Noting the important work undertaken in the Committee on Trade and Environment in Special Session (CTESS) on Paragraphs 31(i) and 31(ii) of the Doha Ministerial Declaration;

Considering observations of Members in the CTESS that:

- A specific trade obligation (STO) set out in a multilateral environmental agreement (MEA) is understood to be one that requires an MEA Party to take, or refrain from taking, a particular trade action[10] [a trade-related action[11]];

[4] TN/TE/W/78 (United States, 14 February 2011), preamble; JOB/TE/19 (Australia, Mexico, United States, 1 April 2011), preamble; and JOB(08)/33 (Norway, 29 April 2008), para. 7, all refer to language in Paragraph 6 of the Doha Ministerial Declaration.

[5] TN/TE/W/68 (European Union, 30 June 2006), preamble, includes language: "Reaffirming that MEAs and WTO rules contribute jointly to the international community's pursuit of shared objectives; and expressing our desire that trade and environment policies blend effectively to deliver sustainable development", that is reflective of the language in Marrakesh Ministerial Decision.

[6] Mexico as Friend of the Chair provided this formulation, which is yet to be fully discussed with the wider membership. The Chair notes Mexico has emphasized that this bridging formulation would be in lieu of other textual proposals concerning the relative standing of MEAs and WTO rules in international law.

[7] JOB(08)/33 (Norway, 29 April 2008), para. 6; supported by the European Union.

[8] Textual proposal made by Switzerland at the March 2011 consultations. This proposal requires discussion in the wider membership.

[9] See TN/TE/W/68 (European Union, 30 June 2006), preamble; also highlighted by the European Union during the March 2011 consultations. The European Union further proposed to give recognition that "multilateral approaches to global environmental problems are to be strongly preferred."

- The relationship between WTO rules and STOs set out in MEAs is working well, and no formal disputes in the WTO have arisen challenging the implementation of an STO set out in an MEA;[12]

> - Until now STOs among parties to MEAs have not been contested in the WTO and should a situation arise of a WTO Member bringing such cases before the WTO, WTO rules would be applicable: observing also that STOs that are multilaterally negotiated, between parties and specific in nature are unlikely to be challenged in the WTO;[13]

- Efforts undertaken by Members at the domestic level to coordinate the views of all relevant government agencies and stakeholders when negotiating and implementing STOs [as well as WTO rules][14] [,and also at the international level in terms of coordination between various governmental bodies and international organizations when addressing WTO matters related to MEAs,][15] have been helpful to enhancing the mutual supportiveness of trade and the environment;[16]

- Sharing of domestic experiences in the CTESS in negotiating and implementing STOs [as well as WTO rules][17] has provided useful insight into ways in which Members can work to promote mutually supportive trade and environment policies;

> - Several features in the design of STOs set out in MEAs have contributed to the positive relationship between such obligations and existing WTO rules such as, careful tailoring of STOs to meet a particular environmental objective, clarity of scope and application of STOs, certain procedures laid out in the MEA that rely on objective criteria and scientific input to make decisions, and other built in procedures in the MEA for changes to its scope that are inclusive, transparent and appropriately flexible;[18]

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[10] The current formulation, pursuant to Members' preference, is descriptive of observations of Members in the CTESS and not a prescriptive definition.

[11] Textual proposal made by Japan at the March 2011 consultations and in a Non-paper circulated by Japan at consultations on 21 March 2011 - indicating its preference for "a trade-related action" and its view "that both (1) the trade measures explicitly provided for as mandatory under an MEA, and (2) *"obligation de résultat"* provided for in an MEA in which the trade measures are not identified should be included in the scope of STOs, and the definition of STOs should leave room for "obligation de résultat" in the scope of STOs." Chinese Taipei also supported reference to "trade-related action".

[12] JOB(08)/33 (Norway, 29 April 2008), para. 9; JOB/TE/19 (Australia, Mexico, United States, 1 April 2011), preamble.

[13] JOB(08)/33 (Norway, 29 April 2008), and Corr.1 (5 November 2010), paras. 9, 10, 11 (combined).

[14] The European Union and Switzerland have emphasized the need for two-way balance and have objected to language emphasizing only the negotiation and implementation of STOs in MEAs while not addressing WTO rules.

[15] The bracketed language requires further discussion with the broader membership and is derived from the January to March 2011 consultations where the European Union had provided a textual proposal: "Coordination between various governmental bodies and international organizations when addressing WTO matters related to MEAs is useful in enhancing mutual supportiveness between trade and the environment".

[16] In TN/TE/W/78 (United States, 14 February 2011) and JOB/TE/19 (Australia, Mexico, United States, 1 April 2011), a further phrase was proposed, reading (in JOB/TE/19): "...and have fostered compatibility between Members' international trade obligations and domestic implementation of STOs set out in MEAs." This aspect was considered by certain Members such as India and Norway as unnecessary or overly prescriptive.

[17] See footnote 14 above.

[18] TN/TE/W/78 (United States, 14 February 2011), JOB/TE/19 (Australia, Mexico, United States, 1 April 2011); some delegations (European Union, Switzerland, Norway, India, Chinese Taipei viewed the

Ministers,

With a view to enhancing the mutual supportiveness of trade and the environment, hereby *decide* as follows:

1. Members are encouraged to coordinate at the domestic level among relevant government agencies [and with international organizations][19] when negotiating and implementing WTO rules and when negotiating and implementing STOs set out in MEAs, and to share domestic experiences in this regard in the Committee on Trade and Environment (CTE) [,with a view to ensuring coherence/compatibility with rights and obligations arising from WTO Agreements and from STOs in MEAs].[20]

2. The WTO Secretariat, on behalf of the CTE, shall:

(a) cooperate and collaborate with MEA secretariats, including through: increased information exchange; as appropriate, document sharing and preparation; and enhanced trade and environment-related technical assistance and capacity building activities, particularly those related to implementation of STOs set out in MEAs;

(b) facilitate appropriate access by MEA secretariats to derestricted WTO documents on a reciprocal basis and make information from MEA secretariats available to WTO Members, including through the use of indexing and internet-based tools. Access to derestricted WTO documents by MEA secretariats shall be facilitated in accordance with the General Council Decision of 14 May 2002 on Procedures for the Circulation and Derestriction of WTO Documents (WT/L/452).[21]

3. While affirming that requests for observer status of international intergovernmental organizations are subject to the criteria and procedures set out in Annex 3 of the Rules of Procedure for Sessions of the Ministerial Conference and Meetings of the General Council (WT/L/161) the CTE shall, when examining requests for observer status from MEA secretariats, have particular regard to the following:[22]

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proposed tiret as either unbalanced, as it does not refer to features in WTO rules, or unnecessary or overly prescriptive.

[19] See footnote 15 above.

[20] TN/TE/W/2 (Argentina, 23 May 2002), and highlighted by Argentina in the March 2011 consultations. Some delegations (European Union, Norway) countered with the need for balance and two-way coherence in this paragraph.

[21] As supported in Paragraph 31(ii) Drafting Group consultations in January and February 2011 by India, this proposed paragraph (2(b)) is drawn from Annex II of TN/TE/19 (Chairman's Report to the TNC, 22 March 2010).

[22] TN/TE/W/78 (United States, 14 February 2011) and also Annex II of TN/TE/19 (Chairman's Report to the TNC, 22 March 2010) highlighted two other criteria derived from Annex 3 of the Rules of Procedure for Sessions of the Ministerial Conference and Meetings of the General Council (WT/L/161), namely (i) the MEA's membership, e.g., whether it broadly reflects the membership of WTO; and (ii) the reciprocity provided by the MEA to the WTO with respect to access to proceedings, documents, and other aspects of observers status. In consultations, various Members noted that the reference to "whether it broadly reflects the membership of WTO" went beyond Annex 3 of WT/L/161: concerning the reciprocity aspects, it was considered by various Members that these were already covered by Annex 3 of WT/L/161 and did not need to be highlighted.

(a) the relevance of the MEA's scope of work to the Committee as well as the relevance of the Committee's scope of work to the MEA;[a]

(b) the MEA secretariat's participation in the CTE and its prior contribution to WTO work, including workshops, capacity building activities and preparation of documents; and/or the mutual benefit that may accrue to the Committee and the MEA from the MEA secretariat's participation in meetings of the CTE.

4. The CTE shall grant observer status to MEA secretariats that have applied for such status in the Committee and have met the criteria set out in paragraph 3 above;[23]

> The CTE shall grant observer status to the secretariats of the following MEAs, recognizing that all have applied for such status and have met the criteria and procedures set out in Annex 3 of the Rules of Procedure for Sessions of the Ministerial Conference and Meetings of the General Council: *(i) Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal; (ii) International Tropical Timber Organization; (iii) Montreal Protocol on Substances that Deplete the Ozone Layer; and (iv) Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade*.[24]

5. The CTE shall:

(a) provide a forum to continue to share experiences of individual Members pursuant to paragraph 1 of this Decision with a view to enhancing the mutual supportiveness of trade and the environment;

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[a] *Explanatory Note: Examples of relevance would be whether the MEA contains provisions that have potential implications for international trade or whether the WTO Committee's work covers aspects and rules that have potential implications for the environmental issues covered by the MEA.*

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[23] TN/TE/W/78 (United States, 14 February 2011), para 4, and JOB/TE/19 (Australia, Mexico, United States, 1 April 2011), para. 4, contained a textual proposal, drawn from language in Annex II of TN/TE/19 (Chairman's Report to the TNC, 22 March 2010): "Members shall also consider, in the event that they cannot reach a consensus with respect to a request from a particular MEA for permanent observer status to a WTO Committee, inviting the relevant MEA Secretariat to observe on a meeting-by-meeting basis, until a consensus on the request for permanent observer status can be reached." In consultations, some delegations expressed reservations on this proposal as it only reflects current practise which does not require a Ministerial Decision.

[24] Canada as Friend of the Chair provided this formulation, which is yet to be fully discussed with the wider membership. In consultation with the CTE Secretariat, the Chair understands these are the four MEAs with pending observership requests and current *ad hoc* participation. In TN/TE/W/66 (European Union, 15 May 2006), and Drafting Group consultations, the European Union proposed the grant of observer status (automatic or by strong presumption) to MEAs with longstanding participation in the CTE.

(b) hold information exchange sessions with MEA secretariats on a regular basis.[25] The sessions will provide opportunity for two-way information exchanges between MEA and WTO secretariats and their respective memberships on topics of common interest;[26]

(c) oversee the provision and, as necessary, the development of technical assistance activities by the WTO Secretariat focused on the implementation of STOs set out in MEAs, drawing on the WTO Secretariat's knowledge of provisions of the WTO Agreement, as well as the relevant MEA secretariat's knowledge of particular STOs. The Committee shall ensure that such activities draw on experiences and expertise shared in the Committee on Trade and Environment pursuant to this Decision, and take into account, *inter alia*, the following important objectives:

(i) maintenance of the independence of the respective secretariats;

(ii) avoidance of duplication of resources and efforts; and

(iii) consideration of developing countries, and in particular the least-developed among them, as recipients of technical assistance.

[(d) [Establish][Provide for the establishment of] a group of [2] experts on trade and environment to be elected [every three years] by the CTE based on criteria to be determined by the Committee, who shall be available on a priority basis to least-developed countries and developing countries as a complement to existing technical assistance mechanisms of the WTO.][27]

[(e) Provide for a flexible and expeditious procedure of a conciliatory and non-adjudicatory nature to assist Members with [potential] differences regarding the relationship between existing WTO rules and specific trade obligations of multilateral environmental agreements, through the offices of its Chair or a Friend of the Chair agreed upon by the parties.][28]

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[25] In consultations, and as reflected in Annex II of TN/TE/19 (Chairman's Report to the TNC, 22 March 2010), India suggested specifying the information exchange sessions be held on an annual (or biennial) basis. Some delegations commented that the reference to "regular" would provide more flexibility to the Committee in the holding of the sessions.

[26] In consultations held in the Drafting Group on Paragraph 31(ii) concerning information exchange sessions, a further suggestion was made by the European Union that upon request by other relevant WTO committees or MEA secretariats, these committees, in consultation with MEA secretariats, shall also hold information exchange sessions.

[27] Proposed formulation drawn from various proposals and consultations. JOB(08)/38 (African Group, 8 May 2008), and JOB/TE/14 (ACP Group, 7 March 2011); see also Annex I.A on "Proposed Elements Relating to a Group of Experts."

[28] TN/TE/W/77 (Switzerland, 4 November 2010), para 4. See also Annex I.B on "Proposed Elements on Dispute Settlement."

ANNEX I.A

PROPOSED ELEMENTS RELATING TO A GROUP OF EXPERTS[1]

Recommitting ourselves to protecting and preserving the environment and *recognizing* that the establishment of a specific, permanent technical assistance and capacity building instrument will assist developing country Members in strengthening the relationship between trade and environment regimes;[2]

1. The Committee on Trade and Environment (CTE) shall:

   – [Establish [and adequately fund][3] a "Group of Experts on Trade and Environment" (GETE)[4], drawing on experience from technical assistance mechanisms and other expert groups in the WTO and other organizations.][5]

   – [Establish a permanent group of independent experts on trade and environment composed of [x] highly qualified persons who shall be elected by the CTE.][6]

2. The Group of Experts (GETE) shall:

   – [Assist Members in terms of the implementation of specific trade obligations (STOs) under multilateral environmental agreements (MEAs).][7]

   – [Be available for consultations by any Member on the linkages between specific trade obligations (STOs) as laid out in multilateral environmental agreements (MEAs) and the WTO as a complement to existing technical assistance mechanisms of the WTO, with priority for LDCs and developing countries.][8]

   – [Assist in the provision of technical assistance and capacity building relating to multilateral environmental agreements (MEAs) with trade provisions, the negotiation of climate change-related MEAs with specific trade obligations (STOs), and environmental subsidies that affect international trade with developing countries, with priority for LDCs, SIDS and SVEs.][9]

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[1] The full proposals containing additional aspects can be consulted in JOB(08)/38 (African Group, 8 May 2008), and JOB/TE/14 (ACP Group, 7 March 2011).

[2] JOB/TE/14 (ACP Group, 7 March 2011), para (a), and JOB(08)/38 (African Group, 8 May 2008), para. 6.

[3] JOB/TE/14 (ACP Group, 7 March 2011), para. (e).

[4] JOB(08)/38 (African Group, 8 May 2008), para. 7; JOB/TE/14 (ACP Group, 7 March 2011), para. (e).

[5] JOB(08)/38 (African Group, 8 May 2008) also comments in para 8: "This expertise could also be drawn from international organizations such as the World Customs Organization (WCO), UNCTAD, UNEP and other organizations which provide technical assistance to Members."

[6] Textual proposal by Pakistan from January 2011 small group consultations; circulated for information in a Chair's non-paper on Technical Assistance and Capacity Building at 21 March 2011 Chair's Consultations. The textual proposal makes reference in particular to the idea that the experts will be elected by the CTE and one shall be replaced each year.

[7] JOB(08)/38 (African Group, 8 May 2008), para. 8.

[8] Proposed textual suggestion by Pakistan from January 2011 small group consultations.

[9] Drawn from JOB/TE/14 (ACP Group, 7 March 2011), para (e).

ANNEX I.B

PROPOSED ELEMENTS ON DISPUTE SETTLEMENT

The Committee on Trade and Environment (CTE) shall:

- [Encourage Members, involved in formal consultations pursuant to Article 4 of the Understanding on Rules and Procedures Governing the Settlement of Disputes relating to a dispute regarding the relationship between existing WTO rules and multilateral environmental agreements (MEAs), to draw on the expertise of experts in the area at issue.][1]

- [[Encourage Members,] [Require Members,][2] who are parties to a dispute regarding the relationship between existing WTO rules and a specific trade obligation contained in a multilateral environmental agreement, to seek the advice of experts on the MEA in question; the Committee shall encourage as well disputing Members [to agree] [to request] that the dispute panel hearing their dispute utilize the procedures under Article 13 of the Understanding on Rules and Procedures Governing the Settlement of Disputes to seek advice and information in relation to the MEA in question.][3]

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[1] Drawn from TN/TE/W/77 (Switzerland, 4 November 2010), para. 4.

[2] In TN/TE/W/68 (European Union, 30 June 2006), para. 3 the European Union proposed mandatory language with respect to WTO panels seeking expertise of MEAs: Para 3(c) reads: "Where a WTO panel examines issues with an environmental content, relating to a particular MEA, the panel shall call for and defer to, in the relevant points, the expertise of the MEA in question."

[3] Proposal drawn from suggestions in TN/TE/W/77 (Switzerland, 4 November 2011), and TN/TE/W/68 (European Union, 30 June 2006).

ANNEX II

STRUCTURE OF THE OUTCOME ENVIRONMENTAL GOODS COVERAGE UNDER PARAGRAPH 31(III)

INTRODUCTORY COMMENT

1. The coverage approaches necessarily focus on how Members can agree on an environmentally credible universe of products to which the treatment modalities could apply.[1]

2. One proposal focuses on identifying environmental goods on the basis of environmental projects,[2] with the broad criteria for designating such projects decided by the CTE using the six broad categories included in the attached reference universe.[3] Goods under such projects would qualify for specified concessions for the duration of the project.

3. Another proposal focuses on a request and offer process that would allow each Member to propose those items it considers are environmental goods and for which it is prepared to assume liberalization commitments.[4] A certain number of "offer rounds" would be established following a strict timeline. It remains open whether Members contemplate this process to be a one-time process or a continuing process of progressive liberalization.

4. According to a submission presented during the recent intensification of negotiations, there would be two lists, one for developed and one for developing country Members with both being self-selected from the reference universe and subject to an agreed *alpha* minimum number of tariff lines for developed country Members and a *beta* minimum number of tariff lines for developing country Members, with *alpha* being greater in number than *beta*.[5]

5. The idea of developing two lists had been put forward by two proposals in the past. In one of these proposals, there would be a *core list* of environment products[6] that could deliver an ambitious and significant outcome.[7] In addition, there will be a *complementary list* on which consensus could not be reached from which Members would have to self-select a certain *x* per cent of tariff lines.[8]

6. According to another proposal, there would be a *common list* for all Members, which comprises specific product lines that constitute environmental goods.[9] The second list would be a *development list* which could comprise products selected from the common list by developing countries for exemption or a lower level of tariff treatment.

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[1] Part B of JOB/TE/20 provides a comprehensive overview of textual elements on coverage modalities, as derived from Members submissions. Members may also refer to a secretariat note compiling the various issues raised in Mambers' submissions to the CTESS under Paragraph 31(iii) from 2002-2007 circulated in JOB(07)/137 on 17 September 2007.

[2] JOB(07)/77 (Argentina and India, 6 June 2007).

[3] See Annex II.A.

[4] JOB(07)/146 (Brazil, 1 October 2007); JOB(09)/184 (Brazil, 15 December 2009); TN/TE/W/76 (Argentina, Brazil, 30 June 2010).

[5] JOB/TE/16 and Corr. 1 (Mexico, Chile, 11 March 2011).

[6] TN/TE/W/38 (United States, 7 July 2003), para. 3.

[7] See for instance the "Convergence Set" composed of 153 entries submitted by a group of Members in document JOB(09)/132 (Canada, the European Communities, Japan, Korea, New Zealand, Norway, the Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu, Switzerland and the United States, 9 October 2009).

[8] TN/TE/W/38 (United States, 7 July 2003), paras. 3, 5.

[9] TN/TE/W/42 (China, 6 July 2004), paras. 5-6.

7. In an effort to combine the various elements of all proposals on the table, the *hybrid* approach includes the following components: (i) an agreed core list[10] which would comprise a targeted set of environmental goods on which all Members would take commitments; (ii) a complementary self-selected list: developed countries would individually select a number of environmental products for tariff elimination and developing countries are encouraged to participate; (iii) as a complement to the common core list and complementary lists, products would be identified through a request/offer process, the outcome of which would be multilateralized in accordance with the MFN principle; and (iv) environmental projects could be used to identify lines for inclusion in the common core list, the complementary self-selected list or the request-offer list[11] or by unilateral liberalization if used in environmental projects.

OVERALL STRUCTURE[12]

I. PREAMBULAR LANGUAGE

II. COVERAGE

III. TREATMENT OF TARIFFS AND NON-TARIFF BARRIERS, INCLUDING SPECIAL AND DIFFERENTIAL TREATMENT

IV. CROSS-CUTTING AND DEVELOPMENT ELEMENTS

II. COVERAGE: POTENTIAL STRUCTURES OF OUTCOME ON COVERAGE

A. HYBRID APPROACH[13]

(i) an agreed *core list* of environmental goods drawn from the reference universe in Annex II.A. on which all Members would take commitments;

(ii) a *complementary self-selected list*:

- developed countries would individually select a number of environmental products for tariff elimination
- developing countries are encouraged to participate;

[10] A group of Members identified, on an illustrative and starting-point basis, 26 tariff lines drawn from the reference universe. Preliminary discussions showed that some of the goods included in this set could be considered by the membership as clear environmental goods, as long as they can be specifically identified in the HS classification by an ex-out or otherwise. See Annex II.B.

[11] JOB/TE/15 (Australia; Colombia; Hong Kong, China; Norway; and Singapore, 8 March 2011).

[12] Proposed textual elements derived from Members' submissions relating to these four areas are contained in JOB/TE/20.

[13] JOB/TE/15 (Australia; Colombia; Hong Kong, China; Norway; and Singapore, 8 March 2011).

(iii) *request/offer process* as a complement to the common core list and complementary lists, the outcome of which would be multilateralized in accordance with the MFN principle; and

(iv) *environmental projects* used to identify lines for inclusion in the common core list, the complementary self-selected list or the request-offer list or by unilateral liberalization if used in environmental projects.

B. ALPHA BETA COMBINED APPROACH[14]

(i) Alpha - developed Members self-select Alpha goods from the reference universe in Annex II.A.;

(ii) Beta - developing Members self-select Beta goods from the reference universe in Annex II.A.;

(iii) Alpha greater than Beta - subject to an agreed Alpha minimum number of tariff lines for developed country Members and a Beta minimum number of tariff lines for developing country Members, with Alpha being greater in number than Beta;

(iv) products not covered by the individual Member's self-selected list could be committed under a *request and offer* process on a voluntary basis.

C. CORE/COMMON LIST WITH COMPLEMENTARY LIST/DEVELOPMENT LIST

A Core or Common List of goods for all Members multilaterally agreed.[15]

The agreed set of goods would be subject to periodic review under some form of review mechanism.[16]

In addition to goods included in the core list, developed Members would self-select a number of products comprising a complementary list.[17]

Goods on which there is strong acknowledgement of environmental credential, but no consensus, could constitute a complementary list, of which Members must self-select a certain x per cent of tariff lines.[18]

A development list of products, selected by developing countries. SVEs and LDCs, that could be exempted from, or subject to lesser commitments.[19]

[14] JOB/TE/16 and Cor. 1 (Mexico, Chile, 11 March 2011). SVEs (JOB/TE/18, 1 April 2011).

[15] TN/TE/W/38 (United States, 7 July 2003); TN/TE/W/42 (China, 6 July 2004); JOB/TE/15 (Australia; Colombia; Hong Kong, China; Norway and Singapore, 8 March 2011).

[16] JOB(09)/132 (Canada, the European Communities, Japan, Korea, New Zealand, Norway, the Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu, Switzerland, and the United States, 27 April 2007).

[17] JOB/TE/15 (Australia; Colombia; Hong Kong, China; Norway and Singapore, 8 March 2011).

[18] TN/TE/W/38 (United States, 7 July 2003); TN/TE/W/34 (United States, 19 June 2003).

[19] TN/TE/W/42 (China, 6 July 2004).

D. IDENTIFICATION THROUGH REQUEST & OFFER

A bilateral Request and Offer process would be used to identify goods of environmental interest to Members, followed by a certain number of "offer rounds" held over a specified period of time, subsequently multilateralized.[20]

Sample request and offer modality:[21]

Step 1. "A list is presented containing: six digit HS code of product with an indication of whether the request applies to the full six digit or part of it; [the] description of product; [an] indication of environmental goods category the good is believed to fall in; [an] indication of reason why the good is believed to be 'environmental'."

Step 2. "[The] requested country provides … data on requested list, containing: [an] identification of national tariff code, at tariff line level, that corresponds to the description of requested good, with an "ex" indication in case it is an "ex out"; [a] full description of national tariff code; import data by national tariff line, average 200X/200X, with discrimination of all suppliers; bound rate; final rate after application of modalities."

Step 3. "[The] requesting country presents revised request list in national tariff codes of requested country."

Step 4. "[The] requested country presents offer lists to requesting countries containing: national tariff code; full description of national tariff code; import data by national tariff line, average 200X/200X, from requesting country; bound rate; final rate after application of modalities; offer expressed as final rate. Rate would be the same as final rate if no additional liberalization offer is made for the product."

Step 5. "[One week of] bilateral negotiations would take place in Geneva, [to be followed by another week of bilateral negotiations (with one week interval in between the two negotiating weeks).]"

Step 6. "Each requested country presents [then] its list with the result of negotiations to be multilateralized, containing: national tariff code; full description of national tariff code; bound rate; final rate after application of modalities; negotiated offer expressed as final rate (< to the final rate)."

Step 7. "[A] collective Evaluation Meeting [will take place.]"

Step 8. "[The final Schedules are presented] with the incorporation of the concessions, [without] "environmental good" marking or specification."

E. IDENTIFICATION THROUGH INTEGRATED-PROJECT APPROACH

The Integrated-Project approach would agree and define environmental projects, as well as environmental activities or categories, to be carried out by designated national entities, for which goods utilized in the activities could qualify for concessions.[22]

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[20] JOB(07)/146 (Brazil, 1 October 2007); JOB(09)/184 (Brazil, 15 December 2009); JOB/TE/15 (Australia; Colombia; Hong Kong, China; Norway and Singapore, 8 March 2011).

[21] JOB(09)/184 (Brazil, 15 December 2009).

[22] TN/TE/W/62 (Argentina, 14 October 2005); Job(07)/77 (Argentina and India, 6 June 2007); TN/TE/W/51 (India, 3 June 2005); TN/TE/W/67 (India, 13 June 2006); TN/TE/W/60 (India, 19 September 2005); TN/TE/W/54 (India, 4 July 2005).

ANNEX II.A

REFERENCE UNIVERSE OF ENVIRONMENTAL GOODS: OFFICIAL HS DESCRIPTIONS

1. The following HS lines include Members' submissions of environmental goods of interest as contained in Annex III of the Report by the Chairman to the TNC Report (TN/TE/19, March 2010) updated in JOB/TE/3/Rev.1 (5 January 2011) and any subsequent submissions. The environmental categories and sub-categories as submitted by Members are reflected in the right column. This compilation should be considered as work in progress and may be updated in light of future submissions tabled by Members.

2. This table is based on the HS2002 classification at the 6-digit level. Descriptions are reproduced from World Customs Organization, *Harmonized commodity description and coding system*, Brussels, 2002.

3. All product codes submitted under previous versions of the HS classification (e.g. HS1992 codes) have been converted to HS2002 codes.[1]

4. It should be noted that HS2002 official code descriptions do not always match descriptions provided by Members in their submissions. Some Members have identified the entire HS6 line while other Members have tried to be more specific (including by using sub-classification and/or ex-outs) to facilitate the identification of environmental goods of interest.

5. Accuracy and technical verification of the descriptions and HS codes contained in this document as well as the technical description, if any, of ex-outs, will need to be undertaken by environment and customs experts and it is expected that individual delegations will prepare draft technical descriptions and/or sub-classifications or ex-outs in their draft schedules for review and verification with other delegations.

6. The environmental categories and sub-categories as reflected in Annex III of the Report by the Chairman to the TNC Report (TN/TE/19, 22 March 2010) updated in JOB/TE/3/Rev.1 (5 January 2011) are indicated in the right column. They are as follows:

- Air Pollution Control
- Renewable Energy
- Waste Management and Water Treatment
  - Clean Up Or Remediation of Soil and Water
  - Management of Solid and Hazardous Waste and Recycling Systems

[1] The following HS1992 codes have been replaced with their equivalent HS2002 codes: 250310 and 250390 replaced with 250300; 291430 replaced with 291431; 291441 and 291449 replaced with 291440; 730420 replaced with 730421; 840611 replaced with 840610; 840619 replaced with 840681; 902520 replaced with 902580. Product submissions at the 4-digit HS level, for the purposes of this table, have been replaced with their 6-digit subheadings: 4707 has been replaced with 470710, 470720,470730, and 470790; 8506 has been replaced with 850610, 850630, 850640, 850650, 850660, 850680, and 850690 (note that the 6-digit HS code 850680 was also submitted individually by another Member); 9030 has been replaced with 903010, 903020, 903031, 903039, 903040, 903082, 903083, 903089, and 903090 (note that the 6-digit HS codes 903010, 903020, 903031, 903039, 903083, 903089, and 903090 were also submitted individually by another Member). The HS codes 841518, 841861, and 841869 were initially submitted as one, these product codes have been reflected separately for the purposes of this table. The HS codes 761190 and 841160 could not be found and were therefore not reflected in this table. Two other products descriptions were submitted, with HS codes to be determined. These were: LED lamp (LED light bulb etc.) and lighting and Energy efficient liquid crystal displays which conform to the energy efficiency standard and are so certified by the authority in destination country.

- Waste Management, Recycling and Remediation
- Waste Water Management and Potable Water Treatment

- Environmental Technologies
  - Gas Flaring Emission Reduction
  - Efficient Consumption of Energy Technologies
  - Cleaner or More Resource Efficient Technologies and Products
  - Energy Efficiency
  - Environmental Monitoring, Analysis and Assessment Equipment
  - Heat and Energy Management
  - Natural Risk Management
  - Noise and Vibration Abatement
- Carbon Capture and Storage
- Others
  - Environmentally Preferable Products based on End-Use or Disposal Characteristics
  - Natural Resources Protection
  - Renewable Products and Energy Source
  - Resources and Pollution Management
  - Others

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
	2503	**Sulphur of all kinds, other than sublimed sulphur, precipitated sulphur and colloidal sulphur.**	
1	250300	-Sulphur of all kinds, other than sublimed sulphur, precipitated sulphur and colloidal sulphur.	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	2710	**Petroleum oils and oils obtained from bituminous minerals, other than crude; preparations not elsewhere specified or included, containing by weight 70% or more of petroleum oils or of oils obtained from bituminous minerals, these oils being the basic constituents of the preparations; waste oils**	
2	271011	- Light oils and preparations	**Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics
3	271019	- Others	**Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics
	2711	**Petroleum gases and other gaseous hydrocarbons**	
4	271111	- Natural gas, liquefied	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies **Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics
5	271112	- Propane, liquefied	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies **Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics
6	271113	- Butanes, liquefied	**Environmental Technologies, Carbon Capture and Storage** **Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics
7	271114	- Ethylene, propylene, butylene & butadiene, liquefied	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
8	271119	- Other liquified	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
9	271121	- Natural gas, in gaseous state	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies **Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
10	271129	- Other in gaseous state	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
	2818	**Artificial corundum, whether or not chemically defined; aluminium oxide; aluminium hydroxide**	
11	281810	- Artificial corundum, whether or not chemically defined	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
12	281820	- Aluminium oxide, other than artificial corundum	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
13	281830	- Aluminium hydroxide	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
	2909	**Ethers, ether-alcohols, ether-phenols, ether-alcohol-phenols, alcohol peroxides, ether peroxides, ketone peroxides (whether or not chemically defined), and their halogenated, sulphonated, nitrated or nitrosated derivatives**	
14	290911	- Acyclic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives: Diethyl ether	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies **Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics
15	290919	- Acyclic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives: Other	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
16	290920	- Cyclanic, cyclenic or cycloterpenic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
17	290930	- Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
18	290941	- Ether- Alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives: 2,2'-Oxydiethanol (diethylene glycol, digol)	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
19	290942	- Ether- Alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives: Monomethyl ethers of ethylene glycol/of diethylene glycol	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
20	290943	- Ether- Alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives:Monobutyl ethers of ethylene glycol/of diethylene glycol	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
21	290944	- Ether- Alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives:Other monoalkylethers of ethylene glycol or of diethylene glycol	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
22	290949	- Ether-alcohols & their halogenated/sulphonated/nitrated/nitrosated derivatives: Others	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
23	290950	- Ether-phenols, ether-alcohol-phenols and their halogenated, sulphonated, nitrated or nitrosated derivatives	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
24	290960	- Alcohol peroxides, ether peroxides, ketone peroxides and their halogenated, sulphonated, nitrated or nitrosated derivatives	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
	2914	**Ketones and quinones, whether or not with other oxygen function, and their halogenated, sulphonated, nitrated or nitrosated derivatives**	
25	291411	- Acyclic ketones without other oxygen function: Acetone	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
26	291412	- Acyclic ketones without other oxygen function: Butanone (methyl ethyl ketone)	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
27	291413	- Acyclic ketones without other oxygen function: 4-Methylpentan-2-one (methyl isobutyl ketone)	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
28	291419	- Acyclic ketones without other oxygen function: Others	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
29	291421	- Cyclanic, cyclenic or cycloterpenic ketones without other oxygen function: Camphor	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
30	291422	- Cyclanic, cyclenic or cycloterpenic ketones without other oxygen function: Cyclohexanone & methylcyclohexanones	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
31	291423	- Cyclanic, cyclenic or cycloterpenic ketones without other oxygen function: Ionones & methylionones	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
32	291429	- Cyclanic/cyclenic/cycloterpenic ketones without other oxygen function: Other	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
33	291431	- Aromatic ketones without other oxygen function: Phenylacetone (phenylpropan-2-one)	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
34	291440	- Ketone-alcohols & ketone-aldehydes	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
35	291450	- Ketone-phenols and ketones with other oxygen function	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
36	291461	- Quinones : Anthraquinone	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
37	291469	- Quinones: Other	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
38	291470	- Halogenated, sulphonated, nitrated or nitrosated derivatives	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
	3824	**Prepared binders for foundry moulds or cores; chemical products and preparations of the chemical or allied industries (including those consisting of mixtures of natural products), not elsewhere specified or included**	
39	382490	- Other	**Waste Management and Water Treatment,** WWM **Renewable Energy,** Renewable Products and Energy Source
	3902	**Polymers of propylene or of other olefins, in primary forms.**	
40	390210	- Polypropylene	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
41	390220	- Polyisobutylene	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
42	390230	- Propylene copolymers	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
43	390290	- Other	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	3907	**Polyacetals, other polyethers and epoxide resins, in primary forms; polycarbonates, alkyd resins, polyallyl esters and other polyesters, in primary forms.**	
44	390799	- Other polyesters: Other	**Renewable Energy,** Renewable Products and Energy Source
	3909	**Amino-resins, phenolic resins and polyurethanes, in primary forms**	
45	390910	- Urea resins; thiourea resins	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
46	390920	- Melamine resins	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
47	390930	- Other amino-resins	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
48	390940	- Phenolic resins	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
49	390950	- Polyurethanes	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
	3911	**Petroleum resins, coumarone-indene resins, polyterpenes, polysulphides, polysulphones and other products specified in Note 3 to this Chapter, not elsewhere specified or included, in primary forms.**	
50	391110	- Petroleum resins, coumarone, indene or coumarone-indene resins and polyterpenes	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
51	391190	- Other	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	3912	**Cellulose and its chemical derivatives, not elsewhere specified or included, in primary forms**	
52	391211	- Cellulose acetates; non-plasticised	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
53	391212	- Cellulose acetates, plasticised	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
54	391220	- Cellulose nitrates (including collodions)	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
55	391231	- Cellulose ethers: Carboxymethylcellulose & its salts	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
56	391239	- Cellulose ethers: Other	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
57	391290	- Other	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	3920	**Other plates, sheets, film, foil and strip, of plastics, non-cellular and not reinforced, laminated, supported or similarly combined with other materials**	
58	392010	- Of polymers of ethylene	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems
	4016	**Other articles of vulcanised rubber other than hard rubber**	
59	401699	- Other: Other	**Renewable Energy,** Renewable Products and Energy Source
	4504	**Agglomerated cork (with or without a binding substance)**	
60	450410	- Blocks, plates, sheets and strip; tiles of any shape; solid cylinders, including discs	**Environmental Technologies,** Noise and Vibration Abatement
	4601	**Plaits and similar products of plaiting materials, whether or not assembled into strips; plaiting materials, plaits and similar products of plaiting materials, bound together in parallel strands or woven, in sheet form, whether or not being finished artic**	
61	460120	- Mats, matting and screens of vegetable materials	**Waste Management and Water Treatment,** Waste Management, Recycling and Remediation
	4707	**Recovered (waste and scrap) paper or paperboard**	
62	470710	- Recovered (waste & scrap) unbleached kraft paper/paperboard/corrugated paper/paperboard	**Renewable Energy, R**enewable Products and Energy Source
63	470720	- Other paper or paperboard made mainly of bleached chemical	**Renewable Energy, R**enewable Products and Energy Source
64	470730	- Paper or paperboard made mainly of mechanical pulp (for example, newspapers, journals and similar printed matter)	**Renewable Energy, R**enewable Products and Energy Source
65	470790	- Other, including unsorted waste and scrap	**Renewable Energy, R**enewable Products and Energy Source
	5303	**Jute and other textile bast fibres (excluding flax, true hemp and ramie), raw or processed but not spun; tow and waste of these fibres (including yarn waste and garnetted stock)**	
66	530310	- Jute and other textile bast fibres, raw or retted	**Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics
	5304	**Sisal and other textile fibres of the genus Agave, raw or processed but not spun; tow and waste of these fibres (including yarn waste and garnetted stock).**	
67	530410	- Sisal and other textile fibres of the genus Agave, raw	**Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics
68	530490	- Other	**Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics
	5603	**Nonwovens, whether or not impregnated, coated, covered or laminated**	

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
69	560314	- Of man-made filaments: Weighing more than 150 g/m²	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment
	5607	**Twine, cordage, ropes and cables, whether or not plaited or braided and whether or not impregnated, coated, covered or sheathed with rubber or plastics**	
70	560710	- Of jute or other textile bast fibres of heading 53.03	**Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics
71	560721	- Of sisal or other textile fibres of the genus Agave: Binder or baler twine	Environmentally Preferable Products based on End-Use or Disposal Characteristics
	5608	**Knotted netting of twine, cordage or rope; made up fishing nets and other made up nets, of textile materials**	
72	560811	- Of man-made textile materials: Made up fishing nets	**Others,** Natural Resources Protection
73	560890	- Other	Natural Resources Protection
	6305	**Sacks and bags, of a kind used for the packing of goods**	
74	630510	- Of jute or of other textile bast fibres of heading 53.03	**Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics
	6910	**Ceramic sinks, wash basins, wash basin pedestals, baths, bidets, water closet pans, flushing cisterns, urinals and similar sanitary fixtures**	
75	691010	- Of porcelain or china	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment
	7019	**Glass fibres (including glass wool) and articles thereof (for example, yarn, woven fabrics)**	
76	701931	- Thin sheets (voiles), webs, mats, mattresses, boards and similar nonwoven products: Mats	**Environmental Technologies,** Heat and Energy Management
	7303	**Tubes, pipes and hollow profiles, of cast iron**	
77	730300	- Tubes, pipes & hollow profiles of cast iron	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	7304	**Tubes, pipes and hollow profiles, seamless, of iron (other than cast iron) or steel**	
78	730410	- Line pipe of a kind used for oil or gas pipelines	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
79	730421	- Casing, tubing and drill pipe, of a kind used in drilling for oil or gas: Drill Pipe	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
80	730431	- Other, of circular cross-section, of iron or non- Alloy steel: Cold-drawn or cold-rolled (cold-reduced)	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
81	730439	- Other, of circular cross-section, of iron or non- Alloy steel: Other	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
82	730441	- Other, of circular cross-section, of stainless steel: Cold-drawn or cold-rolled (cold-reduced)	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
83	730449	- Other, of circular cross-section, of stainless steel: Other	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
84	730451	- Other, of circular cross-section, of other alloy steel: Cold-drawn or cold-rolled (cold-reduced)	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
85	730459	- Other, of circular cross-section, of other alloy steel: Other	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
86	730490	- Other	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
	7305	**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**	
87	730511	- Line pipe of a kind used for oil or gas pipelines: Longitudinally submerged arc welded	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
88	730512	- Line pipe of a kind used for oil or gas pipelines: Other, longitudinally welded	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
89	730519	- Line pipe of a kind used for oil or gas pipelines: Other	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
90	730520	- Casing of a kind used in drilling for oil or gas	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
91	730531	- Other, welded: Longitudinally welded	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
92	730539	- Other, welded: Other	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
93	730590	- Other	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	7306	**Other tubes, pipes and hollow profiles (for example, open seam or welded, riveted or similarly closed), of iron or steel**	
94	730610	- Line pipe of a kind used for oil or gas pipelines	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
95	730620	- Casing and tubing of a kind used in drilling for oil or gas	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
96	730630	- Other, welded, of circular cross-section, of iron or non-Alloy steel	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
97	730640	- Other, welded, of circular cross-section, of stainless steel	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
98	730650	- Other, welded, of circular cross-section, of other alloy steel	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
99	730660	- Other, welded, of non-circular cross-section	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
100	730690	- Other	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	7307	**Tube or pipe fittings (for example, couplings, elbows, sleeves), of iron or steel**	
101	730711	- Cast fittings: Of non-malleable cast iron	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
102	730719	- Cast fittings: Other	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
103	730721	- Other, of stainless steel: Flanges	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
104	730722	- Other, of stainless steel: Threaded elbows, bends and sleeves	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
105	730723	- Other, of stainless steel: Butt welding fittings	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
106	730729	- Other, of stainless steel: Other	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
107	730791	- Other: Flanges	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
108	730792	- Other: Threaded elbows, bends & sleeves	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
109	730793	- Other: Butt welding fittings	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
110	730799	- Other: Other	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
	7308	**Structures (excluding prefabricated buildings of heading 94.06) and parts of structures (for example, bridges and bridge sections, lock gates, towers, lattice masts, roofs, roofing frameworks, doors and windows and their frames and thresholds for doors, shutters, balustrades, pillars and columns), of iron or steel; plates, rods, angles, shapes, sections, tubes and the like, prepared for use in structures, of iron or steel**	
111	730820	- Towers & lattice masts	**Renewable Energy,** Renewable Energy **Renewable Energy,** Renewable Products and Energy Source
	7309	**Reservoirs, tanks, vats and similar containers for any material (other than compressed or liquefied gas), of iron or steel, of a capacity exceeding 300 l, whether or not lined or heat insulated, but not fitted with mechanical or thermal equipment.**	
112	730900	- Reservoirs, tanks, vats and similar containers for any material (other than compressed or liquefied gas), of iron or steel, of a capacity exceeding 300 l, whether or not lined or heat insulated, but not fitted with mechanical or thermal equipment.	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	7310	**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 300 l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment**	
113	731010	- Of a capacity of 50 litres or more	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
114	731021	- Of a capacity of less than 50 litres: Cans which are to be closed by soldering or crimping	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
115	731029	- Of a capacity of less than 50 litres: Other	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	7311	**Containers for compressed or liquefied gas, of iron or steel**	
116	731100	- Containers for compressed or liquefied gas, of iron or steel	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	7321	**Stoves, ranges, grates, cookers (including those with subsidiary boilers for central heating), barbecues, braziers, gas-rings, plate warmers and similar non-electric domestic appliances, and parts thereof, of iron or steel.**	
117	732111	- Cooking appliances and plate warmers:	**Environmental Technologies,** Cleaner or More Resource Efficient Technologies and Products
118	732190	- Parts	**Environmental Technologies,** Cleaner or More Resource Efficient Technologies and Products
	7324	**Sanitary ware and parts thereof, of iron or steel**	
119	732490	- Other, including parts	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	7325	**Other cast articles of iron or steel**	
120	732510	- Of non-malleable cast iron	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment
	7326	**Other articles of iron or steel**	
121	732690	- Other.	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment
	7611	**Aluminium reservoirs, tanks, vats and similar containers, for any material (other than compressed or liquefied gas), of a capacity exceeding 300 l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment**	

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
122	761100	- Aluminium reservoirs, tanks, vats & similar containers, for any material (other than compressed or liquefied gas), of a capacity exceeding 300l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment	**Renewable Energy,** Renewable Energy **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	7612	**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 300 l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment.**	
123	761290	- Other	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems
	7613	**Aluminium containers for compressed or liquefied gas**	
124	761300	- Aluminium containers for compressed or liquefied gas	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8402	**Steam or other vapour generating boilers (other than central heating hot water boilers capable also of producing low pressure steam); super-heated water boilers**	
125	840211	- Steam or other vapour generating boilers: Watertube Boilers With a Steam Production >45t per hour	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
126	840212	- Steam or other vapour generating boilers: Watertube boilers with a steam production not >45 t per hour	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
127	840219	- Steam or other vapour generating boilers: Other vapour generating boilers, including hybrid boilers	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems
128	840220	- Super-heated Water Boilers	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
129	840290	- Parts	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems **Waste Management and Water Treatment,** Waste Management, Recycling and Remediation
	8403	**Central heating boilers other than those of heading 84.02.**	
130	840310	- Boilers	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
131	840390	- Parts	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8404	**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**	
132	840410	- Auxiliary plant for use with boilers of heading 84.02 or 84.03	**Waste Management and Water Treatment,** Waste Management, Recycling and Remediation **Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
133	840420	- Condensers for steam or other vapour power units	**Air Pollution Control** **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
134	840490	- Parts	**Air Pollution Control** **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8405	**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**	

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
135	840510	- 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	**Air Pollution Control** **Renewable Energy,** Renewable Energy **Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
136	840590	- Parts	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8406	**Steam turbines and other vapour turbines**	
137	840610	- Turbines for marine propulsion	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
138	840681	- Other turbines of an output exceeding 40MW	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies**Renewable Energy,** Renewable Energy
139	840682	- Other turbines of an output not exceeding 40 MW	**Renewable Energy,** Renewable Energy
140	840690	- Parts	**Renewable Energy,** Renewable Energy **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8407	**Spark-ignition reciprocating or rotary internal combustion piston engines**	
141	840790	- Other Engines	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8408	**Compression-ignition internal combustion piston engines (diesel or semi-diesel engines)**	
142	840890	- Other Engines	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8409	**Parts suitable for use solely or principally with the engines of heading 84.07 or 84.08**	
143	840991	- Other: suitable for use solely or principally with the engines of heading 84.07 or 84.08.	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Environmental Technologies, Carbon Capture and Storage,** Noise and Vibration Abatement
144	840999	- Other	**Air Pollution Control** **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Environmental Technologies, Carbon Capture and Storage,** Noise and Vibration Abatement
	8410	**Hydraulic turbines, water wheels, and regulators therefor**	
145	841011	- Hydraulic turbines and water wheels of a power not exceeding 1,000 kW .	**Renewable Energy,** Renewable Energy **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
146	841012	- Hydraulic Turbines and Water Wheels, Power 1, 000-10, 000kw	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
147	841013	- Hydraulic Turbines, Water Wheels, of a Power Exceeding 10, 000kw	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
148	841090	- Parts, including regulators	**Renewable Energy,** Renewable Energy **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8411	**Turbo-jets, turbo-propellers and other gas turbines**	
149	841111	- Turbo-jets of a Thrust Not Exceeding 25kn	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
150	841112	- Turbo-jets of a Thrust Exceeding 25kn	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
151	841121	- Turbo-propellers of a Power Not Exceeding 1, 100kW	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
152	841122	- Turbo-propellers of a Power Exceeding 1, 100kW	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
153	841181	- Other gas turbines of a power not exceeding 5,000 kW	**Renewable Energy,** Renewable Energy **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics
154	841182	- Other gas turbines of a power exceeding 5,000 kW	**Renewable Energy,** Renewable Energy **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
155	841191	- Parts of Turbo-jets or Turbo-propellers	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics
156	841199	- Parts : Other	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8412	**Other engines and motors**	
157	841210	- Reaction Engines Other than Turbo-jets	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
158	841221	- Hydraulic Power Engines and Motors, Linear Acting (cylinders)	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
159	841229	- Other Hydraulic Power Engines and Motors	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
160	841231	- Pneumatic Power Engines and Motors, Linear Acting (cylinders)	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
161	841239	- Other Pneumatic Power Engines and Motors	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
162	841280	- Other	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Renewable Energy,** Renewable Products and Energy Source
163	841290	- Parts	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Renewable Energy,** Renewable Products and Energy Source
	8413	**Pumps for liquids, whether or not fitted with a measuring device; liquid elevators**	
164	841311	- Pumps fitted or designed to be fitted with a measuring device: Pumps for Dispensing Fuel or Lubricants of the type used in filling-stations or in garages	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
165	841319	- Other Pumps fitted or designed to be fitted with a measuring device	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
166	841320	- Hand pumps, other than those of subheading 8413.11 or 8413.19	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
167	841330	- Fuel, Lubricating or Cooling Medium Pumps for internal combustion piston engines	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
168	841340	- Concrete Pumps	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
169	841350	- Other reciprocating positive displacement pumps	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
170	841360	- Other rotary positive displacement pumps	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
171	841370	- Other Centrifugal Pumps	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
172	841381	- Other pumps	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
173	841382	- Liquid Elevators	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
174	841391	- Parts of Pumps	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
175	841392	- Parts of Liquid Elevators	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	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**	
176	841410	- Vacuum pumps	**Air Pollution Control** **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
177	841430	- Compressors of a kind used in refrigerating equipment	**Air Pollution Control**

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
178	841440	- Air compressors mounted on a wheeled chassis for towing.	**Air Pollution Control** **Other,** Resources and Pollution Management
179	841459	- Fans: other	**Air Pollution Control**
180	841480	- Other	**Air Pollution Control** **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Environmental Technologies,** Noise and Vibration Abatement
181	841490	- Parts	**Air Pollution Control** **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Other,** Resources and Pollution Management
	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**	
182	841510	- Window or wall types, self-contained or "split-system"	**Environmental Technologies,** Energy Efficiency
183	841581	- Others: incorporating a refrigerating unit & a valve for reversal of the cooling or heat cycle (reversible heat pumps)	**Environmental Technologies,** Energy Efficiency
	8416	**Furnace burners for liquid fuel, for pulverised solid fuel or for gas; mechanical stokers, including their mechanical grates, mechanical ash dischargers and similar appliances**	
184	841610	- Furnace Burners for Liquid Fuel	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
185	841620	- Other Furnace Burners, Including Combination Burners	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies **Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics
186	841630	- Mechanical Stokers, including their Mechanical Grates, Mechanical Ash Dischargers and similar appliances	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
187	841690	- Parts	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
	8417	**Industrial or laboratory furnaces and ovens, including incinerators, non-electric**	
188	841780	- Other	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
189	841790	- Parts	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
	8418	**Refrigerators, freezers and other refrigerating or freezing equipment, electric or other; heat pumps other than air conditioning machines of heading 84.15**	
190	841810	- Combined refrigerator-freezers, fitted with separate external doors	**Environmental Technologies,** Energy Efficiency
191	841821	- Household type refrigerators of compression-type	**Environmental Technologies,** Energy Efficiency
192	841830	- Freezers of the chest type, not exceeding 800 l capacity	**Environmental Technologies,** Energy Efficiency
193	841840	- Freezers of the upright type, not exceeding 900 l capacity	**Environmental Technologies,** Energy Efficiency
194	841861	- Other refrigerating or freezing equipment, heat pumps: Compression-type units whose condensers are heat exchangers	**Renewable Energy,** Renewable Energy
195	841869	- Other refrigerating or freezing equipment heat pumps: Parts	**Renewable Energy,** Renewable Energy
	8419	**Machinery, plant or laboratory equipment**	
196	841919	- Instantaneous or storage water heaters, non-electric: Other	**Renewable Energy,** Renewable Energy

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
197	841939	- Other dryers	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
198	841940	- Distilling/rectifying plant	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies **Others,** Others
199	841950	- Heat exchange units	**Renewable Energy,** Renewable Energy **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies **Environmental Technologies,** Heat and Energy Management
200	841960	- Machinery for liquefying air or other gases	**Air Pollution Control** **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
201	841989	- Other machinery, plant and equipment: Other	**Air Pollution Control** **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies **Others,** Others
202	841990	- Parts	**Renewable Energy,** Renewable Energy **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
	8420	**Calendering or other rolling machines, other than for metals or glass, and cylinders therefor**	
203	842010	- Calendering or Other Rolling Machines	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
204	842091	- Parts: Cylinders	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
205	842099	- Parts: Other	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8421	**Centrifuges, including centrifugal dryers; filtering or purifying machinery and apparatus, for liquids or gases**	
206	842119	- Other: Centrifuges, including centrifugal dryers	**Waste Management and Water Treatment,** Clean Up Or Remediation of Soil and Water **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
207	842121	- Filtering or purifying machinery and apparatus for liquids: for filtering or purifying water	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
208	842123	- Filtering or purifying machinery and apparatus for liquids: Oil or Petrol-filters for Internal Combustion Engines	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
209	842129	- Filtering or purifying machinery and apparatus for liquids: Other	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
210	842131	-Filtering or purifying machinery and apparatus for gases: Intake Air Filters for Internal Combustion Engines	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
211	842139	- Filtering or purifying machinery and apparatus for gases: Other	**Air Pollution Control** **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
212	842191	- Parts of centrifuges, including centrifugal dryers.	**Waste Management and Water Treatment,** Clean Up Or Remediation of Soil and Water **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
213	842199	- Parts: Other	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
	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; other packing or wrapping machinery (including heat-shrink wrapping machinery); machinery for aerating beverages**	
214	842220	- Machinery for cleaning or drying bottles or other containers.	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems
215	842290	- Parts.	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems
	8428	**Other lifting, handling, loading or unloading machinery**	
216	842833	- Continuous-action elevators and conveyors, for goods or materials: Other, belt type.	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment
	8429	**Self-propelled bulldozers, angledozers, graders, levellers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers**	
217	842940	- Tamping machines and road rollers.	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems
	8462	**Machine-tools (including presses) for working metal by forging, hammering or die-stamping; machine-tools (including presses) for working metal by bending, folding, straightening, flattening, shearing, punching or notching; presses for working metal or metal carbides**	
218	846291	- Other: Hydraulic presses.	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems
	8465	**Machine-tools (including machines for nailing, stapling, glueing or otherwise assembling) for working wood, cork, bone, hard rubber, hard plastics or similar hard materials**	
219	846596	- Other: Splitting, slicing or paring machines	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems
220	846599	- Other machine tools not elsewhere specified or included	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems
	8466	**Parts and accessories suitable for use solely or principally with the machines of headings 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**	
221	846694	- Other: for machines of heading 84.62 to84.63.	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems
	8471	**Automatic data processing machines and units thereof; magnetic or optical readers, machines for transcribing data onto data media in coded form and machines for processing such data, not elsewhere specified or included**	
222	847130	- Portable digital automatic data processing machines, weighing not more than 10 kg, consisting of at least a central processing unit, a keyboard and a display	**Environmental Technologies,** Energy Efficiency

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
223	847160	- Input or output units, whether or not containing storage units in the same housing	**Environmental Technologies,** Energy Efficiency
224	847170	- Storage units	**Environmental Technologies,** Energy Efficiency
	8474	**Machinery for sorting, screening, separating, washing, crushing, grinding, mixing or kneading earth, stone, ores or other mineral substances, in solid (including powder or paste) 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**	
225	847410	- Sorting, Screening, Separating or Washing Machines	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
226	847420	- Crushing or Grinding Machines	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
227	847431	- Mixing or kneading machines: Concrete or Mortar Mixers	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
228	847432	- Mixing or kneading machines: Machines for Mixing Mineral Substances With Bitumen	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
229	847439	- Other Mixing or Kneading Machines	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
230	847480	- Other machinery	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
231	847490	- Parts	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8477	**Machinery for working rubber or plastics or for the manufacture of products from these materials, not specified or included elsewhere in this Chapter**	
232	847710	- Injection-moulding Machines	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
233	847720	- Extruders	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
234	847730	- Blow Moulding Machines	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
235	847740	- Vacuum Moulding Machines and Other Thermoforming Machines	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
236	847751	- Other machinery for moulding or otherwise forming: For Moulding or Retreading Pneumatic Tyres or for moulding otherwise forming inner tubes	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
237	847759	- Other machinery for moulding or otherwise forming: Other	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
238	847780	- Other Machinery	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
239	847790	- Parts	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8479	**Machines and mechanical appliances having individual functions, not specified or included elsewhere in this Chapter**	
240	847920	- Machinery for the extraction or preparation of animal or fixed vegetable fats or oils	**Renewable Energy,** Renewable Products and Energy Source
241	847982	- Other machines and mechanical appliances: Mixing, kneading, crushing, grinding, screening, sifting, homogenising, emulsifying or stirring machines	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems
242	847989	- Other machinery for moulding or otherwise forming: Other	**Air Pollution Control** **Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems **Renewable Energy,** Renewable Products and Energy Source
243	847990	- Parts	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
	8481	**Taps, cocks, valves and similar appliances for pipes, boiler shells, tanks, vats or the like, including pressure-reducing valves and thermostatically controlled valves**	
244	848110	- Pressure-reducing valves	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Others,** Resources and Pollution Management
245	848120	- Valves for oleohydraulic or pneumatic transmissions	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Others,** Resources and Pollution Management
246	848130	- Check (non-return) valves	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Others,** Resources and Pollution Management
247	848140	- Safety or relief valves	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Others,** Resources and Pollution Management
248	848180	- Other appliances	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
249	848190	- Parts	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8482	**Ball or roller bearings**	
250	848210	- Ball Bearings	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
251	848220	- Tapered Roller Bearings, Including Cone and Tapered Roller Assemblies	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
252	848230	- Spherical Roller Bearings	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
253	848240	- Needle Roller Bearings	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
254	848250	- Other Cylindrical Roller Bearings	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
255	848280	- Other Bearings, Including Combined Ball or Roller Bearings	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
256	848291	- Parts: Balls, Needles and Rollers	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
257	848299	- Parts: Other	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8483	**Transmission shafts (including cam shafts and crank shafts) and cranks; bearing housings and plain shaft bearings; gears and gearing; ball or roller screws; gear boxes and other speed changers, including torque converters; flywheels and pulleys, including pulley blocks; clutches and shaft couplings (including universal joints)**	
258	848340	- Gears, gearing (excluding toothed wheels, chain sprockets and other transmission elements presented separately); ball or roller screws; gear boxes, other speed changers, including torque converters	**Renewable Energy,** Renewable Energy
	8483	**Transmission shafts (including cam shafts and crank shafts) and cranks; bearing housings and plain shaft bearings; gears and gearing; ball or roller screws; gear boxes and other speed changers, including torque converters; flywheels and pulleys, including pulley blocks; clutches and shaft couplings (including universal joints)**	
259	848360	- Clutches & shaft couplings (incl. universal joints)	**Renewable Energy,** Renewable Energy

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
	8501	**Electric motors and generators (excluding generating sets)**	
260	850161	- AC generators (alternators), of an output not exceeding 75 kVA	**Renewable Energy,** Renewable Energy
261	850162	- AC generators (alternator), of an output exceeding 75 kVA but not exceeding 375 kVA	**Renewable Energy,** Renewable Energy
262	850163	- AC generators (alternator), of an output exceeding 375 kVA but not exceeding 750 kVA	**Renewable Energy,** Renewable Energy
263	850164	- AC generators (alternator), of an output exceeding 750 kVA	**Renewable Energy,** Renewable Energy
	8502	**Electric generating sets and rotary converters**	
264	850231	- Other generating sets - wind-powered	**Renewable Energy,** Renewable Energy **Renewable Energy,** Renewable Products and Energy Source
265	850239	- Other generating sets: other	**Renewable Energy,** Renewable Energy
	8503	**Parts suitable for use solely or principally with the machines of heading 85.01 or 85.02**	
266	850300	- Parts suitable for use solely or principally with the machines of heading 85.01 or 85.02.	**Renewable Energy,** Renewable Energy **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8504	**Electrical transformers, static converters (for example, rectifiers) and inductors**	
267	850410	- Ballasts for Discharge Lamps or Tubes	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
268	850421	- Liquid Dielectric Transformers, having a power handling capacity not Exceeding 650kVA	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
269	850422	- Liquid Dielectric Transformers having a power handling capacityexceeding 650 kVA but not exceeding-10, 00kVA	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
270	850423	- Liquid Dielectric Transformers having a power handling capacity exceeding 10, 000kVA	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
271	850431	- Other Transformers, Having a Power Handling Capacity Not Exceeding 1kva	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
272	850432	- Other Transformers, Having a Power Handling Capacity Exceeding 1kVA But Not Exceeding 16kVA	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
273	850433	- Other Transformers, having a power handling capacity exceeding 16kVA But Not Exceeding 500kVA	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
274	850434	- Other Transformers, Having a Power Power Handling Capacity Exceeding 500kVA	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
275	850440	- Static converters	**Renewable Energy,** Renewable Energy **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
276	850450	- Other Inductors	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
277	850490	- Parts	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8505	**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**	
278	850511	- Permanent Magnets and Magnetized Articles, intended to become permanent magnets after magnetisation, of metal	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
279	850519	- Permanent Magnets and Magnetized Articles intended to become permanent magnets after magnetisation, other	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
280	850520	- Electro-magnetic Couplings, Clutches and Brakes	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
281	850530	- Electro-magnetic Lifting Heads	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
282	850590	- Other, including parts	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8506	**Primary cells and primary batteries**	
283	850610	- Primary cells & primary batteries, manganese dioxide	**Renewable Energy,** Renewable Products and Energy Source

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
284	850630	- Primary cells & primary batteries, mercuric oxide	**Renewable Energy,** Renewable Products and Energy Source
285	850640	- Primary cells & primary batteries, silver oxide	**Renewable Energy,** Renewable Products and Energy Source
286	850650	- Primary cells & primary batteries, lithium	**Renewable Energy,** Renewable Products and Energy Source
287	850660	- Primary cells & primary batteries, air-zinc	**Renewable Energy,** Renewable Products and Energy Source
288	850680	- Other Primary cells & primary batteries	**Renewable Energy,** Renewable Products and Energy Source **Renewable Energy,** Renewable Energy **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
289	850690	- Parts	**Renewable Energy,** Renewable Products and Energy Source
	8507	**Electric accumulators, including separators therefor, whether or not rectangular (including square)**	
290	850720	- Other lead – Acid accumulators	**Renewable Energy,** Renewable Energy
291	850740	- Nickel-iron	**Renewable Energy,** Renewable Energy
292	850780	- Other accumulators	**Renewable Energy,** Renewable Energy **Environmental Technologies,** Energy Efficiency **Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics
293	850790	- Parts	**Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics
	8509	**Electro-mechanical domestic appliances, with self-contained electric motor**	
294	850980	- Other appliances	**Environmental Technologies,** Cleaner or More Resource Efficient Technologies and Products
	8511	**Electrical ignition or starting equipment of a kind used for spark-ignition or compression-ignition internal combustion engines (for example, ignition magnetos, magneto-dynamos, ignition coils, sparking plugs and glow plugs, starter motors); generators (for example, dynamos, alternators) and cut-outs of a kind used in conjunction with such engines.**	
295	851140	- Starter Motors and Dual Purpose Starter-generators	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
296	851150	- Other Generators	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
297	851180	- Other Equipment	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
298	851190	- Parts	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8514	**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.**	
299	851410	- Resistance heated furnaces & ovens	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
300	851420	- Furnaces & ovens functioning by induction/dielectric loss	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
301	851430	- Other Furnaces and Ovens	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
302	851440	- Other equipment for the heat treatment of materials by induction or dielectric loss	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
303	851490	- Parts	**Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems
	8516	**Electric instantaneous or storage water heaters and immersion heaters; electric space heating apparatus and soil heating apparatus; electro-thermic hair-dressing apparatus (for example, hair dryers, hair curlers, curling tong heaters) and hand dryers; electric smoothing irons; other electro-thermic appliances of a kind used for domestic purposes; electric heating resistors, other than those of heading 85.45**	
304	851629	- Electric space heating apparatus and electric soil heating apparatus; other	**Waste Management and Water Treatment,** Clean Up Or Remediation of Soil and Water
	8517	**Electrical apparatus for line telephony or line telegraphy, including line telephone sets with cordless handsets and telecommunication apparatus for carrier-current line systems or for digital line systems; videophones**	
305	851711	- Telephone sets; videophones: Line telephone sets with cordless handsets	**Environmental Technologies,** Energy Efficiency
306	851721	- Facsimile machines	**Environmental Technologies,** Energy Efficiency
307	851730	- Telephonic or telegraphic switching apparatus	**Environmental Technologies,** Energy Efficiency
308	851750	- Other apparatus, for carrier-current line systems or for digital line systems	**Environmental Technologies,** Energy Efficiency
	8518	**Microphones and stands therefor; loudspeakers, whether or not mounted in their enclosures; headphones and earphones, whether or not combined with a microphone, and sets consisting of a microphone and one or more loudspeakers; audio-frequency electric amplifiers; electric sound amplifier sets**	
309	851840	- Audio-frequency electric amplifiers	**Environmental Technologies,** Energy Efficiency
	8520	**Magnetic tape recorders and other sound recording apparatus, whether or not incorporating a sound reproducing device**	
310	852090	- Other	**Environmental Technologies,** Energy Efficiency
	8521	**Video recording or reproducing apparatus, whether or not incorporating a video tuner**	
311	852190	- Other	**Environmental Technologies,** Energy Efficiency
	8522	**Parts and accessories suitable for use solely or principally with the apparatus of headings 85.19 to 85.21**	
312	852210	- Pick-up cartridges	**Environmental Technologies,** Energy Efficiency
	8523	**Prepared unrecorded media for sound recording or similar recording of other phenomena, other than products of Chapter 37**	
313	852390	- Other	**Environmental Technologies,** Energy Efficiency
	8525	**Transmission apparatus for radio-telephony, radio-telegraphy, radio-broadcasting or television, whether or not incorporating reception apparatus or sound recording or reproducing apparatus; television cameras; still image video cameras and other video camera recorders; digital cameras**	
314	852540	- Still image video cameras and other video camera records; digital cameras	**Environmental Technologies,** Energy Efficiency
	8526	**Radar apparatus, radio navigational aid apparatus and radio remote control apparatus**	
315	852691	- Other: Radio navigational aid apparatus	**Environmental Technologies,** Energy Efficiency
	8528	**Reception apparatus for television, whether or not incorporating radio-broadcast receivers or sound or video recording or reproducing apparatus; video monitors and video projectors**	

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
316	852812	- Reception apparatus for television, whether or not incorporating radio broadcast receivers or sound or video recording or reproducing apparatus: Colour	**Environmental Technologies,** Energy Efficiency
317	852821	- Video monitors: Color	**Environmental Technologies,** Energy Efficiency
318	852830	- Video projectors	**Environmental Technologies,** Energy Efficiency
	8536	**Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, relays, fuses, surge suppressors, plugs, sockets, lamp-holders, junction boxes), for a voltage not exceeding 1,000 volts**	
319	853661	- Lamp-holders, plugs and sockets: Lamp holders	**Environmental Technologies,** Energy Efficiency
	8537	**Boards, panels, consoles, desks, cabinets and other bases, equipped with two or more apparatus of heading 85.35 or 85.36, for electric control or the distribution of electricity, including those incorporating instruments or apparatus of Chapter 90, and numerical control apparatus, other than switching apparatus of heading 85.17**	
320	853710	- For a voltage not exceeding 1,000 V	**Renewable Energy,** Renewable Energy
	8539	**Electric filament or discharge lamps, including sealed beam lamp units and ultra-violet or infra-red lamps; arc-lamps**	
321	853949	- Ultra-violet or infra-red lamps; arc-lamps: Other	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment
	8541	**Diodes, transistors and similar semiconductor devices; photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light emitting diodes; mounted piezo-electric crystals**	
322	854140	- Photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light emitting diodes.	**Renewable Energy,** Renewable Energy **Renewable Energy,** Renewable Products and Energy Source
	8543	**Electrical machines and apparatus, having individual functions, not specified or included elsewhere in this Chapter**	
323	854389	- Other machines and apparatus: Other	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment
324	854390	- Parts	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment
	8702	**Motor vehicles for the transport of ten or more persons, including the driver**	
325	870210	- With compression-ignition internal combustion piston engine (diesel or semi-diesel)	**Air Pollution Control**
326	870290	- Other	**Air Pollution Control** **Renewable Energy,** Renewable Energy
	8703	**Motor cars and other motor vehicles principally designed for the transport of persons (other than those of heading 87.02), including station wagons and racing cars**	
327	870321	- Other vehicles, with spark-ignition internal combustion: of a cylinder capacity not exceeding 1,000 cc	**Air Pollution Control** **Renewable Energy,** Renewable Energy
328	870322	- Other vehicles, with spark-ignition internal combustion: of a cylinder capacity exceeding 1,000 cc but not exceeding 1,500 cc	**Air Pollution Control** **Renewable Energy,** Renewable Energy
329	870323	- Other vehicles, with spark-ignition internal combustion:of a cylinder capacity exceeding 1,500 cc but not exceeding 3,000 cc	**Air Pollution Control** **Renewable Energy,** Renewable Energy
330	870324	- Other vehicles, with spark-ignition internal combustion:of a cylinder capacity exceeding 3,000 cc	**Air Pollution Control** **Renewable Energy,** Renewable Energy
331	870331	- Other vehicles, with compression-ignition internal combustion piston engine (diesel or semi-diesel): of a cylinder capacity not exceeding 1,500 cc	**Air Pollution Control** **Renewable Energy,** Renewable Energy
332	870332	- Other vehicles, with compression-ignition internal combustion piston engine (diesel or semi-diesel): of a cylinder capacity exceeding 1,500 cc but not exceeding 2,500 cc	**Air Pollution Control** **Renewable Energy,** Renewable Energy

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
333	870333	- Other vehicles, with compression-ignition internal combustion piston engine (diesel or semi-diesel): of a cylinder capacity exceeding 2,500 cc	**Air Pollution Control** **Renewable Energy,** Renewable Energy
334	870390	- Other	**Air Pollution Control** **Renewable Energy,** Renewable Energy
	8704	**Motor vehicles for the transport of goods**	
335	870410	- Dumpers designed for off-highway use	**Air Pollution Control** **Renewable Energy,** Renewable Energy
336	870421	- Other, with compression-ignition internal combustion piston engine (diesel or semi-diesel):, g.v.w. not exceeding 5 tonnes	**Air Pollution Control** **Renewable Energy,** Renewable Energy
337	870422	- Other, with compression-ignition internal combustion piston engine (diesel or semi-diesel):, g.v.w. not exceeding 5 tonnes but not exceeding 20 tonnes	**Air Pollution Control** **Renewable Energy,** Renewable Energy
338	870423	- Other, with compression-ignition internal combustion piston engine (diesel or semi-diesel):, g.v.w. exceeding 20 tonnes	**Air Pollution Control** **Renewable Energy,** Renewable Energy
339	870431	- Other, with spark-ignition internal combustion piston engine:g.v.w. not exceeding 5 tonnes	**Air Pollution Control** **Renewable Energy,** Renewable Energy
340	870432	- Other, with spark-ignition internal combustion piston engine: g.v.w. exceeding 5 tonnes	**Air Pollution Control** **Renewable Energy,** Renewable Energy
341	870490	- Other	**Air Pollution Control** **Renewable Energy,** Renewable Energy
	8705	**Special purpose motor vehicles, other than those principally designed for the transport of persons or goods (for example, breakdown lorries, crane lorries, fire fighting vehicles, concrete-mixer lorries, road sweeper lorries, spraying lorries, mobile workshops, mobile radiological units)**	
342	870510	- Crane lorries	**Air Pollution Control** **Renewable Energy,** Renewable Energy
343	870520	- Mobile drilling derricks	**Air Pollution Control** **Renewable Energy,** Renewable Energy
344	870530	- Fire fighting vehicles	**Air Pollution Control** **Renewable Energy,** Renewable Energy
345	870540	- Concrete-mixer lorries (concrete-mixers)	**Air Pollution Control** **Renewable Energy,** Renewable Energy
346	870590	- Other	**Air Pollution Control** **Renewable Energy,** Renewable Energy
	8711	**Motorcycles (including mopeds) and cycles fitted with an auxiliary motor, with or without side-cars; side-cars**	
347	871110	- With reciprocating internal combustion piston engine of a cylinder capacity not exceeding 50 cc.	**Air Pollution Control** **Renewable Energy,** Renewable Energy
348	871120	- With reciprocating internal combustion piston engine of a cylinder capacity exceeding 50 cc but not exceeding 250cc.	**Air Pollution Control** **Renewable Energy,** Renewable Energy
349	871130	- With reciprocating internal combustion piston engine of a cylinder capacity exceeding 250 cc but not exceeding 500cc.	**Air Pollution Control** **Renewable Energy,** Renewable Energy
350	871140	- With reciprocating internal combustion piston engine of a cylinder capacity exceeding 500 cc but not exceeding 800cc.	**Air Pollution Control** **Renewable Energy,** Renewable Energy
351	871150	- With reciprocating internal combustion piston engine of a cylinder capacity exceeding 800 cc.	**Air Pollution Control** **Renewable Energy,** Renewable Energy
	8907	**Other floating structures (for example, rafts, tanks, coffer-dams, landing-stages, buoys and beacons)**	
352	890790	- Other	**Waste Management and Water Treatment,** Clean Up Or Remediation of Soil and Water
	9001	**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**	
353	900190	- Other	**Renewable Energy,** Renewable Energy

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
	9002	**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**	
354	900290	- Other	**Renewable Energy,** Renewable Energy
	9015	**Surveying (including photogrammetrical surveying), hydrographic, oceanographic, hydrological, meteorological or geophysical instruments and appliances, excluding compasses; rangefinders**	
355	901510	- Rangefinders	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
356	901520	- Theodolites and tachymeters (tacheometers)	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
357	901530	- Levels	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
358	901540	- Photogrammeterical surveying instruments and appliances	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Environmental Technologies,** Natural Risk Management
359	901580	- Other instruments and appliances	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Environmental Technologies,** Natural Risk Management
360	901590	- Parts and accessories	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Environmental Technologies,** Natural Risk Management
	9024	**Machines and appliances for testing the hardness, strength, compressibility, elasticity or other mechanical properties of materials (for example, metals, wood, textiles, paper, plastics)**	
361	902410	- Machines and appliances for testing metals	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
362	902480	- Other machines and appliances	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
363	902490	- Parts and accessories	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	9025	**Hydrometers and similar floating instruments, thermometers, pyrometers, barometers, hygrometers and psychrometers, recording or not, and any combination of these instruments**	
364	902511	- Thermometers and pyrometers, not combined with other instruments: Liquid-filled, for direct reading	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
365	902519	- Thermometers and pyrometers, not combined with other instruments: Other	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
366	902580	- Other instruments	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
367	902590	- Parts and accessories	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	9026	**Instruments and apparatus for measuring or 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 heading 90.14, 90.15, 90.28 or 90.32**	
368	902610	- For measuring or checking the flow or level of liquids	**Air Pollution Control** **Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
369	902620	- For measuring or checking pressure	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies **Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
370	902680	- Other instruments or apparatus	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies **Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
371	902690	- Parts and accessories	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies **Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
	9027	**Instruments and apparatus for physical or chemical analysis (for example, polarimeters, refractometers, spectrometers, gas or smoke analysis apparatus); 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**	
372	902710	- Gas or smoke analysis apparatus	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
373	902720	- Chromatographs and electrophoresis instruments	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
374	902730	- Spectrometers, spectrophotometers and spectrographs using optical radiations (UV, visible, IR)	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
375	902740	- Exposure meters	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
376	902750	- Other instruments and apparatus using optical radiations (UV, visible, IR)	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
377	902780	- Other instruments and apparatus	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
378	902790	- Microtomes; parts and accessories	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
	9028	**Gas, liquid or electricity supply or production meters, including calibrating meters therefor**	
379	902810	- Gas meters	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies **Others,** Resources and Pollution Management **Environmental Technologies,** Heat and Energy Management
380	902820	- Liquid meters	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Environmental Technologies,** Heat and Energy Management
381	902830	- Electricity meters	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Environmental Technologies,** Heat and Energy Management
382	902890	- Parts and accessories	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Environmental Technologies,** Heat and Energy Management
	9030	**Oscilloscopes, spectrum analysers and other instruments and apparatus for measuring or checking electrical quantities, excluding meters of heading 90.28; instruments and apparatus for measuring or detecting alpha, beta, gamma, X-ray, cosmic or other ionising radiations**	
383	903010	- Instruments and apparatus for measuring or detecting ionising radiations.	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
384	903020	- Cathode-ray oscilloscopes and cathode-ray oscillographs.	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
385	903031	- Other instruments and apparatus, for measuring or checking voltage, current, resistance or power, without a recording device: Multimeters.	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
386	903039	- Other instruments and apparatus, for measuring or checking voltage, current, resistance or power, without a recording device: Other.	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
387	903040	- Other instruments and apparatus, specially designed for telecommunications (for example, cross-talk meters, gain measuring instruments, distortion factor meters, psophometers)	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
388	903082	- Other instruments and apparatus:for measuring or checking semiconductor wafers or devices	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
389	903083	- Other instruments and apparatus: Other, with a recording device	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
390	903089	- Other instruments and apparatus: Other	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
391	903090	- Parts and accessories	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
	9031	**Measuring or checking instruments, appliances and machines, not specified or included elsewhere in this Chapter; profile projectors**	
392	903110	- Machines for balancing mechanical parts	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Environmental Technologies,** Noise and Vibration Abatement
393	903120	- Test benches.	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
394	903130	- Profile projectors.	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
395	903140	- Other optical instruments and appliances	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
396	903149	- Other optical instruments and appliances: Other	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
397	903180	- Other instruments, appliances and machines.	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
398	903190	- Parts and accessories	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	9032	**Automatic regulating or controlling instruments and apparatus**	
399	903210	- Thermostats	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
400	903220	- Manostats.	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
401	903281	- Other instruments and apparatus: Hydraulic or pneumatic	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
402	903289	- Other instruments and apparatus: Other	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies **Renewable Energy,** Renewable Energy
403	903290	- Parts and accessories	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
	9033	**Parts and accessories (not specified or included elsewhere in this Chapter) for machines, appliances, instruments or apparatus of Chapter 90**	
404	903300	- Parts and accessories (not specified or included elsewhere in this chapter) for machines, appliances	**Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies **Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment
	9405	**Lamps and lighting fittings including searchlights and spotlights and parts thereof, not elsewhere specified or included; illuminated signs, illuminated name-plates and the like, having a permanently fixed light source, and parts thereof not elsewhere specified or included**	
405	940510	- Chandeliers and other electric ceiling or wall lighting fittings, excluding those of a kind used for lighting public open spaces or thoroughfares	**Environmental Technologies,** Energy Efficiency
406	940520	- Electric table, desk, bedside or floor-standing lamps	**Environmental Technologies,** Energy Efficiency
407	940540	- Other electric lamps and lighting fittings	**Environmental Technologies,** Energy Efficiency
	9507	**Fishing rods, fish-hooks and other line fishing tackle; fish landing nets, butterfly nets and similar nets; decoy birds (other than those of heading 92.08 or 97.05) and similar hunting or shooting requisites**	
408	950720	- Fish-hooks, whether or not snelled.	**Others,** Natural Resources Protection

ANNEX II.B

SAMPLE CORE LIST OF ENVIRONMENTAL GOODS BY OFFICIAL HS 2002 DESCRIPTIONS

1. The following HS lines have been identified, and drawn from JOB/TE/3/Rev.1 (See Annex II.B hereof) by a number of Members[1], as a ***starting point*** for discussion in the CTESS towards a credible core list of environmental goods, without prejudice to the final outcome.

2. This table is based on the HS2002 classification at the 6-digit level. Descriptions are reproduced from World Customs Organization, *Harmonized commodity description and coding system*, Brussels, 2002. It should be noted that HS2002 official code descriptions do not always match descriptions provided by Members in their submissions. Some Members have identified the entire HS6 line while other Members have tried to be more specific (including by using ex-outs) to facilitate the identification of environmental goods of interest.

3. Accuracy and technical verification of the descriptions and HS codes contained in this document as well as the technical description, if any, of ex-outs, will need to be undertaken by environment and customs experts and it is expected that individual delegations will prepare draft technical descriptions and/or sub-classifications or ex-outs in their draft schedules for review and verification with other delegations.

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
	4601	**Plaits and similar products of plaiting materials, whether or not assembled into strips; plaiting materials, plaits and similar products of plaiting materials, bound together in parallel strands or woven, in sheet form, whether or not being finished artic**	
1	460120	- Mats, matting and screens of vegetable materials	**Waste Management and Water Treatment,** Waste Management, Recycling and Remediation
	7308	**Structures (excluding prefabricated buildings of heading 94.06) and parts of structures (for example, bridges and bridge sections, lock gates, towers, lattice masts, roofs, roofing frameworks, doors and windows and their frames and thresholds for doors, shutters, balustrades, pillars and columns), of iron or steel; plates, rods, angles, shapes, sections, tubes and the like, prepared for use in structures, of iron or steel**	
2	730820	- Towers & lattice masts	**Renewable Energy,** Renewable Energy **Renewable Energy,** Renewable Products and Energy Source
	7321	**Stoves, ranges, grates, cookers (including those with subsidiary boilers for central heating), barbecues, braziers, gas-rings, plate warmers and similar non-electric domestic appliances, and parts thereof, of iron or steel**	
3	732111	- Cooking appliances and plate warmers: For gas fuel or for both gas and other fuels.	**Environmental Technologies,** Cleaner or More Resource Efficient Technologies and Products
	7324	**Sanitary ware and parts thereof, of iron or steel**	
4	732490	- Other, including parts	**Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies

[1] Based on Room document circulated on 17 March 2011 without prejudice by Australia; Colombia; Hong Kong, China; Norway; and Singapore.

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
	8402	**Steam or other vapour generating boilers (other than central heating hot water boilers capable also of producing low pressure steam); super-heated water boilers**	
5	840290	- Parts	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems **Waste Management and Water Treatment,** Waste Management, Recycling and Remediation
	8404	**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**	
6	840410	- Auxiliary plant for use with boilers of 84.02 or 84.03	**Waste Management and Water Treatment,** Waste Management, Recycling and Remediation **Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8405	**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**	
7	840510	- 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	**Air Pollution Control** **Renewable Energy,** Renewable Energy **Waste Management and Water Treatment,** Waste Water Management and Potable Water Treatment **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8406	**Steam turbines and other vapour turbines**	
8	840681	- Turbines for marine propulsion: Of an output exceeding 40 MW	**Renewable Energy,** Renewable Energy
	8409	**Parts suitable for use solely or principally with the engines of heading 84.07 or 84.08**	
9	840999	- Other: other	**Air Pollution Control** **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Environmental Technologies, Carbon Capture and Storage,** Noise and Vibration Abatement
	8410	**Hydraulic turbines, water wheels, and regulators therefor**	
10	841011	- Hydraulic turbines and water wheels of a power not exceeding 1,000 kW .	**Renewable Energy,** Renewable Energy **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
11	841012	- Hydraulic Turbines and Water Wheels, Power 1, 000-10, 000kw	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
12	841090	- Hydraulic turbines, water wheels, and regulators ; parts, including regulators	**Renewable Energy,** Renewable Energy **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8411	**Turbo-jets, turbo-propellers and other gas turbines**	
13	841181	- Other gas turbines of a power not exceeding 5,000 kW	**Renewable Energy,** Renewable Energy **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics
14	841182	- Other gas turbines of a power exceeding 5,000 kW	**Renewable Energy,** Renewable Energy **Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies **Others,** Environmentally Preferable Products based on End-Use or Disposal Characteristics
	8418	**Refrigerators, freezers and other refrigerating or freezing equipment, electric or other; heat pumps other than air conditioning machines of heading 84.15**	
15	841861	- Other refrigerating or freezing equipment; heat pumps: Compression-type units whose condensers are heat exchangers	**Renewable Energy,** Renewable Energy

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
	8419	**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**	
16	841919	- Instantaneous or storage water heaters, non-electric: Other	**Renewable Energy,** Renewable Energy
17	841950	- Heat exchange units	**Renewable Energy,** Renewable Energy **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies **Environmental Technologies,** Heat and Energy Management
	8479	**Machines and mechanical appliances having individual functions, not specified or included elsewhere in this Chapter**	
18	847989	- Other machines and mechanical appliances: Other	**Air Pollution Control** **Waste Management and Water Treatment,** Management of Solid and Hazardous Waste and Recycling Systems **Renewable Energy,** Renewable Products and Energy Source
	8502	**Electric generating sets and rotary converters**	
19	850231	- Other generating sets: Wind-powered	**Renewable Energy,** Renewable Energy **Renewable Energy,** Renewable Products and Energy Source
	8504	**Electrical transformers, static converters (for example, rectifiers) and inductors**	
20	850410	- Ballasts for discharge lamps or tubes	**Environmental Technologies, Carbon Capture and Storage,** Efficient Consumption of Energy Technologies
	8537	**Boards, panels, consoles, desks, cabinets and other bases, equipped with two or more apparatus of heading 85.35 or 85.36, for electric control or the distribution of electricity, including those incorporating instruments or apparatus of Chapter 90, and numerical control apparatus, other than switching apparatus of heading 85.17**	
21	853710	- For a voltage not exceeding 1,000V	**Renewable Energy,** Renewable Energy
	8541	**Diodes, transistors and similar semiconductor devices; photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light emitting diodes; mounted piezo-electric crystals**	
22	854140	- Photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light emitting diodes.	**Renewable Energy,** Renewable Energy **Renewable Energy,** Renewable Products and Energy Source
	9001	**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**	
23	900190	- Other	**Renewable Energy,** Renewable Energy
	9002	**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**	
24	900290	- Other	**Renewable Energy,** Renewable Energy
	9027	**Instruments and apparatus for physical or chemical analysis (for example, polarimeters, refractometers, spectrometers, gas or smoke analysis apparatus); 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**	
25	902730	- Spectrometers, spectrophotometers and spectrographs using optical radiations (UV, visible, IR)	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment

	HS 2002 CODE	HS CODE DESCRIPTION	CATEGORY(IES)
	9032	**Automatic regulating or controlling instruments and apparatus**	
26	903210	- Thermostats	**Environmental Technologies,** Environmental Monitoring, Analysis and Assessment Equipment **Environmental Technologies, Carbon Capture and Storage,** Gas Flaring Emission Reduction, Efficient Consumption of Energy Technologies
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