

**MONTREAL PROTOCOL POLICY ORDER**

**MINISTRY OF CLINMATE CHANGE AND  
ENVIRONMENTAL COORDINATION,**

**GOVERNMENT OF PAKISTAN**

**NOTIFICATION**

**Islamabad, June 2023**

In exercise of the powers conferred by section 31 of the Pakistan Environmental Protection Act, 1997 (XXXIV of 1997), read with Section 13, Section 14 and Section 19 thereof, the Federal Government is pleased to make the following policy order, namely: -

## CHAPTER -1 GENERAL PROVISION

### Article 1 - Short title and commencement. –

- 1) This policy order may be cited as the Montreal Protocol Policy Order for Pakistan 2023
- 2) This policy order shall come into force at once on \_\_\_\_\_ following its approval and notification by the Ministry of Climate Change and Environmental Coordination (MOCC&EC) published in the Gazette of Pakistan.
- 3) This policy order extends to the whole of Pakistan

### Article 2 - Definitions. – In this policy order, unless specifically indicated otherwise, -

- (a) “**Appendix**” means an Appendix to this policy order;
- (b) “**ASHRAE**” means the American Society of Heating, Refrigerating and Air-Conditioning Engineers;
- (c) “**Controlled Substance**” means a substance in Appendix-A, Appendix-B, Appendix-C, Appendix-D or Appendix-E of this policy order, whether existing alone or in a mixture, and whether they are virgin, recovered, recycled or reclaimed. It includes the isomers of any such substance, except as specified in the relevant Appendix, but excludes any controlled substance or mixture which is in a manufactured product other than a container used for the transportation or storage of that substance;
  - (i) “**Bromochloromethane**” means the substance specified in Group 3 of Appendix-C.
  - (ii) “**Carbon tetrachloride**” means the substance specified in Group 2 of Appendix-B.
  - (iii) “**CFC**” means any substance specified in Group 1 of Appendix-A and Group 1 of Appendix-B.
  - (iv) “**Halon**” means any substance specified in Group 2 of Appendix-A.
  - (v) “**HBFC**” means any substance specified in Group 2 of Appendix-C.
  - (vi) “**HCFC**” means any substance specified in Group 1 of Appendix-C.
  - (vii) “**HFC**” means any substance specified in Appendix-E.
  - (viii) “**Methyl bromide**” means the substance specified in Group 1 of Appendix-D.
  - (ix) “**Methyl chloroform**” means the substance specified in Group 3 of Appendix-B.
- (d) “**Consumption**” means production plus imports minus exports of controlled substances;
- (e) “**Convention**” means the Vienna Convention for the Protection of the Ozone Layer (Ratification) Act No. 3 of 1994;
- (f) “**Destruction**” means the process of permanently transforming or decomposing a controlled substance into one or more stable substances that are not ozone-depleting substances or HFCs.
- (g) “**Entities**” means any business or person, including natural or juridical persons, that:
  - (i) produces, recovers, recycles, reclaims, uses, or destroys controlled substances or virgin substances;
  - (ii) imports controlled substances;
  - (iii) exports controlled substances;

- (iv) is involved in placement of controlled substances on the market including both seller and distributors;
  - (v) is involved in manufacturing, assembling or operation of foam, refrigeration, air conditioning, aerosol, solvent, healthcare, fire protection and agro-industry which contain or rely on controlled substances;
- (h) **“Export”** means the exit from the customs territory (borders) of Pakistan of controlled substance, products or equipment containing or relying on the controlled substances.
  - (i) **“Exporter”** means any natural or legal person who wants to send the controlled substances or products or equipment containing or relying on the controlled substances outside of the customs territory (borders) of Pakistan and has been registered with NOU
  - (j) **“Exemption Use”** as defined under the Montreal Protocol are uses agreed by the Parties to be used under specific circumstances, including: *critical use, emergency use, essential use, laboratory use or analytical use*
  - (k) **“Feedstock”** means a substance that is entirely used — and the molecular structure of which is transformed — in the manufacture of another chemical substance.
  - (l) **“GWP”** means the climatic warming potential of a greenhouse gas relative to that of carbon dioxide (‘CO<sub>2</sub>’), calculated in terms of the 100-year warming potential of one kilogram of a greenhouse gas relative to one kilogram of CO<sub>2</sub>
  - (m) **“HAT”** means High Ambient Temperature exemption of the Montreal Protocol and its amendments;
  - (n) **“Import”** means the entry of substances, products, and equipment covered by this policy order, into the customs territory (borders) of Pakistan
  - (o) **“Importer”** means any natural or legal person who wants to bring into the customs territory (borders) of Pakistan the controlled substances or products or equipment containing or relying on the controlled substances to another country has been registered with NOU.
  - (p) **“iPIC”** means the voluntary and informal mechanism of information exchange run by UNEP OzonAction on intended trade between countries in ODS, ODS-containing mixtures, products and equipment.
  - (q) **“Mixture”** means a liquid or gas composed of two or more substances, at least one of which is a substance listed in Appendix-A to Appendix-E.
  - (r) **“MOCC&EC”** means Ministry of Climate Change and Environmental Coordination, Government of Pakistan;
  - (s) **“Montreal Protocol”** means the 1987 Montreal Protocol on Substances that Deplete the Ozone Layer, as last amended and adjusted.
  - (t) **“NOU”** means National Ozone Unit;
  - (u) **“Non-Party”** means countries which are not Party to a particular amendment of the Montreal Protocol;
  - (v) **“Ozone Depleting Substance or ODS”** means a compound that contributes to stratospheric ozone depletion specified in Appendix-A to Appendix-D below, whether existing by itself or in a mixture;
  - (w) **“Ozone Depleting Potential or ODP”** means the factor specified in Appendix-A – Appendix-D below representing the potential effect of one unit of each controlled substance or virgin substance on the ozone layer as compared to one unit of chlorofluorocarbon-11 (CFC-11).

- (x) **“Ozone Layer”** means a layer in the earth's stratosphere at an altitude of about 10 km (6.2 miles) containing a high concentration of ozone, which absorbs most of the ultraviolet radiation reaching the earth from the sun
- (y) **“Party”** means a Party to the Montreal Protocol on Substances that Deplete the Ozone Layer;
- (z) **“Placing on the market”** means the supplying or making available for use any controlled substance within the country for the first time, for payment or free of charge, or using for its own account in case of the producer and includes customs release for use in the country.
- (aa) **“Production”** means the amount of controlled substances or virgin substances or its mixtures produced, including the amount produced intentionally or inadvertently, as a by-product unless that by-product is destroyed as part of the manufacturing process. No amount recovered, recycled or reclaimed shall be considered as ‘production’, nor shall any insignificant amount unavoidably incorporate in products in trace quantities or emitted during manufacturing.
- (bb) **“Producer”** means any natural or legal person producing controlled substances
- (cc) **“Products and equipment relying on controlled substance”** means products and **equipment** which do not function without controlled substances, not including those products and equipment used for production, processing, recovery, recycling, reclamation or destruction of controlled substances and containers used for the transportation or storage of a controlled substance.
- (dd) **“Quota, an import/export quota”** means the quantity of individual substance (or group of substances) covered by the quota system, which is allocated to an eligible importer/exporter for a given one calendar year.
- (ee) **“Reclaimed”** means, in respect of a controlled substance, recovered, and then reprocessed and upgraded through a process such as filtering, drying, distillation, or chemical treatment to restore the substance to industry-accepted reuse standards.
- (ff) **“Recovered”** means, in respect of a controlled substance, used and subsequently collected.
- (gg) **“Recycled”** means, in respect of a controlled substance, recovered, cleaned through a process such as filtering or drying and reused, including reused to recharge products or equipment.
- (hh) **“Tonne(s) of CO2 equivalent”** means a quantity of greenhouse gases expressed as the product of the weight of the greenhouse gases in metric tonnes and their global warming potential.
- (ii) **“Use”** means the utilization of controlled substances in the production, maintenance, or servicing, including the refilling of products and equipment, or in other processes referred to in this policy order.
- (jj) **“Virgin substance”** means a controlled substance that has not previously been used.

Where terms are not defined but are found in the Montreal Protocol, they maintain the same definition as used in the Montreal Protocol.

### **Article 3- Objectives.**

1. The objectives of this policy order are to:
  - a. protect the environment and well-being of society by reducing the production, consumption and emissions of substances that deplete the ozone layer and hydrofluorocarbons (HFCs) having High Global Warming Potential (GWP) contributing to climate change issues and temperature raise;

- b. give effect to Pakistan's obligations under the Vienna Convention for the Protection of Ozone Layer and the Montreal Protocol on Substances that Deplete the Ozone Layer (Montreal Protocol) and its amendments;
- c. establish policy order on the production, import, export, placing on the market, and use of substances controlled under the Montreal Protocol, on the reporting of information related to those substances and their alternatives, and on the import, export, placing on the market and use of products and equipment containing or relying on those substances and their alternatives; and
- d. encourage reduction in the use of ozone-depleting substances and HFCs referred to in Appendix-A to Appendix-E above in accordance with its obligations under the Montreal Protocol to the extent that such replacements are reasonably possible within the limits imposed by the availability of suitable alternate substances, and appropriate technology and devices.

## CHAPTER 2 - RESPONSIBLE ENTITIES

### Article 4- Administration.

- 1) The National Ozone Unit is administered by MOCC&EC and is responsible for coordinating with all relevant agencies/stakeholders to comply with control measures/policies as formulated by Montreal Protocol and the Executive Committee of Multilateral Fund. The NOU is the responsible body for policymaking and implementing the Montreal Protocol in Pakistan with the following functions:
  - (a) To implement the objectives of this policy order;
  - (b) To administer the HCFCs phase out in Pakistan
  - (c) To administer the HFCs phase down in Pakistan
  - (d) To identify and implement industrial technology conversion projects with assistance or multilateral funds
  - (e) Promote environmentally friendly technology in Pakistan
  - (f) Develop required policies to ensure Montreal protocol timelines of HCFCs and HFCs elimination
  - (g) To administer the import authorization/ licensing and identify annual import limits of the controlled substances;
  - (h) Deciding on provisions for managing the quantitative annual consumption limits of the controlled substances in collaboration with its institutional partners - Federal Board of Revenue, Pakistan Customs & Ministry of Commerce, Government of Pakistan;
  - (i) To monitor and control import/export of controlled substances along-with its institutional partners - Federal Board of Revenue, Pakistan Customs & Ministry of Commerce, Government of Pakistan;
  - (j) Considering prohibitions on imports of products or equipment containing or relying on controlled substances;
  - (k) Seeking authorization from the Meeting of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer for the import of controlled substances under critical or essential uses;
  - (l) To submit reports as required under the Montreal Protocol;
  - (m) To ensure sustainability and effectiveness of the tracking system for exempted uses;
  - (n) To issue custom clearance for the controlled substances;
  - (o) To publish prescribed label formats referred to in this policy order;
  - (p) To publish prescribed format for reporting obligations referred to in this policy order;
  - (q) To propose tax duties, exemptions & penalties in collaboration with relevant authorities;
  - (r) To promote and administer the following activities;
    - i. The development of training programs related to controlled substances;
    - ii. The enhancement of public awareness of environmental effects of controlled substances that deplete ozone layer and HFC greenhouse gas;
  - (s) To calculate controlled substances production and consumption baseline as relevant for Montreal Protocol Implementation; and
  - (t) To take appropriate measures upon infringement of this policy order.

## CHAPTER 3 - PROHIBITIONS

### Article 5– Prohibition on production of controlled substances

- 1) The production of controlled substances in Appendix A, B, C, D and E are prohibited subject to the terms of this policy order. There may be some situations in which production might be permitted to allow for some exception with the approval of National Ozone Unit.
- 2) The production of any controlled substances listed in Appendix-E below with a GWP equal to or above 750 is prohibited.

### Article 6 - Prohibition on import of controlled substances

- 1) The import of controlled substances in Appendix-A (CFCs, halons), Appendix-B (CFCs, carbon tetrachloride, methyl chloroform) and Appendix-C Group II (HBFCs) & III (bromochloromethane) is prohibited and the only exemption on their import is if an importer is granted import permission by National Ozone Unit for the following purposes:
  - (a) Destruction using accepted methods as defined under the Montreal Protocol and decisions of the Meetings of the Parties;
  - (b) Feedstock;
  - (c) Exempted laboratory or analytical use or exempted essential use approved by the Parties to the Montreal Protocol; and
  - (d) Reclamation, recycling and recovery.
- 2) The import of controlled substance listed in Appendix-C, Group I (HCFCs) and Appendix-E (HFCs) are prohibited unless an importer is granted import authorization by National Ozone Unit. The main features of import authorization system for controlled substance in Appendix-C, Group I (HCFCs) and Appendix-E (HFCs) are as following:
  - (a) Set up and operated by National Ozone Unit;
  - (b) The list of eligible importers and annual quota allocation is to be provided by National Ozone Unit;
  - (c) The allocated quota shall only be valid for the calendar year in which it is issued; and
  - (d) The import authorization is to be issued by NOU. The authorization may only be issued to importers who have valid import quota authorized by the NOU.

The import of the controlled substance listed in Appendix-D (methyl bromide) is prohibited and the only exemption on its import is if the importer is granted an import permission for quarantine and pre-shipment (QPS) application after registration with the Plant Protection Department, Ministry of National Food Security & Research, Karachi and National Ozone Unit.

- 3) The import permission, granted by NOU, differs from import authorization system in such that the former is for exemption use of controlled substance while the latter is for import of

controlled substance only in Appendix-C, Group I (HCFCs) and Appendix-E (HFCs) of this policy order.

- 4) This article shall not apply to the import of products and equipment containing or relying on controlled substances.
- 5) Import of goods into Pakistan is regulated by the Ministry of Commerce, Government of Pakistan under the Imports and Exports (Control) Act, 1950 and the notifications issued thereafter.

#### **Article 7 - Prohibition on export of controlled substances**

- 1) The export of controlled substances in Appendix-A (CFCs, halons), Appendix-B (CFCs, carbon tetrachloride, methyl chloroform) and Appendix-C Group II (HBFCs) & III (bromochloromethane) are prohibited and the only exemption on their export is if export authorization is granted by National Ozone Unit for the following purposes:
  - (a) Destruction; and
  - (b) Reclamation, recovery or recycling.
- 2) The export of controlled substance listed in Appendix-C, Group I (HCFCs) and Appendix-E (HFCs) are prohibited unless an export authorization is granted by National Ozone Unit.
- 3) The export of controlled substance listed in Appendix D (methyl bromide) is prohibited.
- 4) This article shall not apply to the export of products and equipment containing or relying on controlled substances.

#### **Article 8 - Prohibition on import of products and/or equipment containing or relying on controlled substances.**

- 1) The import of products and/or equipment containing or relying on controlled substances in Appendix A (CFCs, halons), Appendix B (CFCs, carbon tetrachloride, methyl chloroform), Appendix C Group II (HBFCs) & III (bromochloromethane) and Appendix D (methyl bromide) are prohibited.
- 2) The import of products and/or equipment containing or relying on controlled substances listed in Appendix C, Group I (HCFCs) are prohibited, except for new compressors designed for HCFC-22 and HCFC-123. Import of all types of used/secondhand compressors is prohibited.
- 3) National Ozone Unit has the power to impose further prohibitions on imports of products or equipment containing or relying on controlled substances listed in Appendix-C, Group I (HCFCs) and Appendix-E (HFCs) to control the annual consumption of these controlled substances in Pakistan.
- 4) The imports of products or equipment containing or relying on controlled substances shall be carried out through the following procedure;
  - (a) Importer files an application to NOU for import exemption;
  - (b) Based on country targets, annual consumption limits & local scenario, NOU may grant exemption which will be valid for 1 year; and
  - (c) If granted exemption by NOU, Importer may submit request NOU for import authorization 1 month prior to intended date of import.

**Article 9 - Prohibition on export of products and/or equipment containing or relying on controlled substances.**

The export of products and/or equipment containing or relying on controlled substances in Appendix-A (CFCs, halons), Appendix-B (CFCs, carbon tetrachloride, methyl chloroform), Appendix-C (HCFCs, HBFCs, bromochloromethane), Appendix-D (methyl bromide) and Appendix-E (HFCs) are prohibited unless otherwise permitted by authorization. The authorization is to be issued by NOU.

**Article 10 - Prohibition on manufacturing facilities that produce equipment or products that contain or rely on controlled substances.**

- 1) New establishment of manufacturing facilities or expansion of existing manufacturing facilities that produce equipment or products containing or relying on any controlled substance with GWP higher than 750 is prohibited. The automobile manufacturing industry is exempted from this prohibition until finalization of viable and cost effect alternate technology
- 2) National Ozone Unit has the power to impose further prohibitions on manufacturing facilities that produce equipment or products that contain or rely on controlled substances to control the annual consumption of these controlled substances in Pakistan.

**Article 11 - Prohibition on trade with non-Parties to Kigali Amendment.**

- 1) As specified in Article 4, Paragraph 1 *sept* and 2 *sept* of the Montreal Protocol, the import and export of the controlled substances in Appendix-E (HFCs) of this policy order with non-parties to the Protocol will be prohibited from 01 January 2033.
- 2) Import and export of controlled substances excluding HFCS to non-Parties is prohibited in accordance with Article 4 of the Montreal Protocol

**Article 12 - Requirements in case of exemptions in trade of controlled substances.**

- 1) The exemption on import and/or export authorization of controlled substances for essential, critical, laboratory, analytical or emergency use shall be subject to prior authorization by the Parties to the Montreal Protocol, as set out in a decision of the Meeting of the Parties. It is the responsibility of the National Ozone Unit to seek authorization in all the necessary cases as stated in the Montreal Protocol. Import authorization shall only be issued for essential, critical, laboratory, analytical use or emergency use if Pakistan is granted authorization for such uses through a decision of the Meeting of the Parties to the Montreal Protocol.
- 2) The import and/or export data of approved exempted controlled substances for the respective sub-sectors shall be reported by National Ozone Unit to the Fund Secretariate in accordance with UNEP guideline number UNEP/OzL.Pro/ExCom/84/75 Annex IV in order to ensure effective and sustainable tracking of these approved exempted controlled substances.

## CHAPTER 4 - TRADE

### Article 13 - Authorized Importers of HCFCs and HFCs.

- 1) The import of controlled substance in Appendix-C, Group I (HCFCs) and Appendix-E (HFCs) of this policy order is subject to trade authorization by National Ozone Unit.
- 2) The list of eligible importers of HCFC are those registered importers who qualified on basis of their import quantity during 2009 and 2010. New authorization of import for HCFCs shall not be granted by NOU. The list of eligible importers may be updated/amended upon decision of the NOU.
- 3) The list of eligible importers of HFC will be importers who import HFCs during the Baselines Years of Article 5 Parties, Group 2 i.e., 2024, 2025 and 2026. The new entrants who were not the part of the HCFCs quota regime and they qualify as per the set baseline of HFCs shall be given equal rights being new entrants to the system. The list of eligible importers may be updated/amended upon decision of National Ozone Unit. This regime will be effective from January 01, 2028.
- 4) The import of products included in Appendix-F of this policy order (Annex-D of the Montreal Protocol) containing controlled substances specified in Appendix-A to Appendix-E of this policy order is subject to import authorization by National Ozone Unit.

### Article 14 - Import quota limits on HCFCs.

- 1) The import of HCFCs, expressed in Kgs with ODP tonnes, into Pakistan are subject to annual quota import limits established by the National Ozone Unit.
- 2) The National Ozone Unit shall determine the limits and allocate quotas to authorized importers for the period from 01 January to 31 December each year in order to meet reduction schedule targets as determined by the Montreal Protocol.
- 3) The annual quota import limits are applicable to virgin substances in either pure or mixture forms and do not apply to recovered, recycled and reclaimed HCFCs.
- 4) The Pakistan Customs, Federal Board of Revenue is the authority responsible for ensuring authorized import quota holders adhere to annual import quota limit allocated to them for the calendar year by National Ozone Unit.
- 5) The National Ozone Unit shall call for quota applications for HCFC detailing the respective procedure no later than 10 January of each year for adoption for the subsequent year. The importers will have 10-14 working days to submit a quota application. Any quota application after the prescribed period will not be accepted. The quota application format to be used by importers is provided in Appendix-G of this policy order.
- 6) The HCFC quota limits, expressed in ODP tonnes, shall be proposed by National Ozone Unit, no later than 31 January of each year for adoption for the subsequent year. The quota allocation decision shall be communicated through letter issued to each importer by the National Ozone Unit.
- 7) When proposing the annual HCFC quota limits, the National Ozone Unit may allocate a buffer of up to 2% for any unforeseen use and therefore this amount is not to be allocated to any importer.

- 8) When proposing the annual HCFC quota limits, the National Ozone Unit shall provide specific quota limits by substance and communicate those to importers in kilograms using measurements up to two (2) decimal places.
- 9) The quantity of substance for the purpose of feedstock, essential use, critical use, or other exempted uses will be clearly identified and reported in the quota application process but shall not be counted against the quota for consumption.
- 10) It is mandatory for importers to report to the National Ozone Unit of any unused allocated quota of each year no later than 15 July of that year. The NOU may call for additional applications during August of that year for the transfer of any unused quota.
- 11) The National Ozone Unit may issue notice in writing to an importer to verify any statement in the quota application and to supply any further information that is relevant to the application within a stipulated time frame. Failure to respond to the request may result in disqualification of the applicant upon NOU's decision.
- 12) The quota allocated among authorized importers shall take into account previous production and imports of each applicant following the grandfathering principal allocation method that creates an allocation based on the activities of individual importers during a reference baseline period.
- 13) Once quota application decisions are finalized by the National Ozone Unit, the list of eligible importers alongwith allocated quantity will be uploaded in WeBOC/PSW as well as will be shared with Pakistan Customs. The quota allocation document/ letter will include information on specific controlled substance for which a quota is allotted, quantity allocated, name of eligible importer and time period for which the allocated quota is valid.
- 14) Transfer of quota to any other producer or importer by eligible producer/importer is prohibited.
- 15) In order to be able to import HCFCs in Pakistan, the importer must meet the following requirements:
  - (a) the importer must be in the list of eligible importers established by NOU as per the set criteria of Montreal Protocol having imports in the baseline years i.e. 2009-2010. The list may be revised annually based on decision of NOU;
  - (b) the importer must have been allocated HCFC quota for that year by NOU. The quota is valid for one calendar year in which it was issued by NOU
- 16) Importers are not allowed to file application for import quota for HCFCs other than the HCFCs imported during the baseline year (2009 and 2010). Applications for HCFC import quotas shall only be accepted for import of HCFC-22, HCFC-141b and HCFC-142b.

**Article 15 - Import quota limits on HFCs.**

- 1) The import of HFC, expressed in Kgs with tonnes CO<sub>2</sub> equivalent, into Pakistan shall be subject to annual quota import limits established by National Ozone Unit.
- 2) The National Ozone Unit shall determine the limits and allocate quotas to authorized importers for the period from 1 January to 31 December 2028 each year and every 12 months thereafter in order to meet reduction schedule targets as determined by Kigali Amendment of the Montreal Protocol.
- 3) The annual quota import limits are applicable to virgin substances in either pure or mixture forms and do not apply to recovered, recycled and reclaimed HFCs.

- 4) The Pakistan Customs, Federal Board of Revenue is the authority responsible for ensuring authorized import quota holders adhere to annual import quota limit allocated to them for the calendar year by National Ozone Unit and uploaded in WeBOC /PSW.
- 5) The importers eligible to apply for HFC quota are only those who import HFCs during the Baselines Years of Article 5 Parties, Group 2 i.e., year 2024, 2025 and 2026.
- 6) The National Ozone Unit shall call for quota application of HFC detailing the respective procedure no later than 10 January of each year for adoption for the subsequent year. The importers will have 10-14 working days to submit a quota application. Any quota application after the prescribed period will not be accepted. The quota application format to be used by importers is provided in Appendix-G of this policy order.
- 7) The HFC quota limits, expressed in Kgs with tonnes CO<sub>2</sub> equivalent, shall be proposed by National Ozone Unit, no later than 31 January of each year for adoption for the subsequent year. The quota allocation decision shall be communicated through letter issued to each importer by the National Ozone Unit.
- 8) When proposing the annual HFC quota limits, the National Ozone Unit may consider a buffer of up to 2% for any unforeseen use and therefore not to be allocated to any importer.
- 9) When proposing the annual HFC quota limits, the National Ozone Unit shall provide specific quota limits by substance and communicate those to traders in both tonnes CO<sub>2</sub> equivalent and kilograms, expressed in up to 2 decimal places.
- 10) The quantity of substance for the purpose of exemption essential, critical, HAT or other exempted uses will be clearly identified and reported in the quota application process but shall not be counted against the quota for consumption.
- 11) Importers are required to report to the National Ozone Unit of any unused allocated quota of each year no later than the 15<sup>th</sup> July of that year. The NOU may call for additional applications during July of that year for the transfer of any unused quota.
- 12) The National Ozone Unit may divide the annual quota between eligible qualified importers. The new entrants who were not part of the quota regime and they qualify as per set baseline of HFCs shall be given equal opportunity/ rights being the new entrants to the system.
- 13) Once quota application decisions are finalized by the National Ozone Unit, the list of eligible importers alongwith allocated quantity will be uploaded in WeBOC/PSW as well as will be shared with Pakistan Customs. The quota allocation document/ letter will include information on specific controlled substance for which a quota is allotted, quantity allocated, name of eligible importer and time period for which the allocated quota is valid.
- 14) The quota allocated among authorized importers/producers shall take into account previous production and imports of each applicant following the grandfathering principal allocation method that creates an allocation based on the activities of individual importers during a reference baseline period.
- 15) Once quota application decisions are finalized by the National Ozone Unit, the list of eligible importers (containing only business/importer name) will be shared publicly and made available to Pakistan Customs. An additional document will be shared with Pakistan Customs will include information on specific controlled substance for which quota is allotted, quantity allocated, name of eligible importer and time period till which allocated quota is valid. This may be done electronically through PSW or through physical copies.
- 16) Transfer of quota to any other importer by eligible importer is prohibited.
- 17) In order to be able to import HFCs in Pakistan, the importer must meet following requirements;

- (a) the importer must be in the list of eligible importers established by NOU as per the set criteria of Montreal Protocol having imports in the baseline years i.e. 2024, 2025 & 2026. The list may be revised annually based on decision of NOU;
- (b) the importer must be allocated HFC quota for that year by NOU. The quota is valid for one calendar year and granted every year by National Ozone Unit
- (c) the stock imported to be stored in warehouse located in industrial/commercial area, under proper labelling/ marking of stock as per Material Safety Data Sheet (MSDS). The required code of practice for safety, transportation and handling to be applied.

**Article 16 - Import Authorization of HCFCs & HFCs.**

- 1) In order to be able to import HCFCs and HFCs in Pakistan, the importer must apply for import authorization to be granted by NOU, MOCC&EC
- 2) For HCFC license, only importers who are in the list of eligible importers and who have been granted an import quota by National Ozone Unit during the past years, can apply for import license.
- 3) For HFC license, until introduction of any specific requirement, the importer can submit the request to MOCC&EC as per clause 6 below.
- 4) The application for import authorization to be submitted to NOU shall contain the following information:
  - (a) the name, address, phone number, warehouse address and email of the importer and the exporter;
  - (b) the country of import and details of exporter;
  - (c) in case of import of controlled substance, information including chemical/commercial name, description, Harmonized System Code, whether the substance is virgin, recovered, recycled or reclaimed, quantity of substance intended to import (metric Kg up-to 2 decimal place), number of shipments intended to import the allocated quota throughout the year, intended use of substance;
  - (d) the location and expected date of proposed import; and
  - (e) the Customs office where the goods will be declared;
- 5) It is the responsibility of importer to submit a complete application. Incomplete applications will be rejected by NOU.
- 6) In case import is carried out under High Ambient Temperature exemption or any other exemption stated in this policy order, the exemption type and supporting documents need to be provided with the application.
- 7) The template of authorization issued will be determined by NOU /MOCC&EC. It will, at minimum, contain the following information:
  - (a) the name and address of the importer;
  - (b) the name of the controlled substance and quantity allocated as per quota issued by MOCC&EC, NOU; and
  - (c) a provision to include information on shipments and quantity planned to be imported per shipment so that the allocated quota and quantity imported can be checked by NOU;
- 8) The authorization may be cancelled by NOU at any time, if importer fail to comply with the issued instruction, The importer can appeal to National Ozone Unit, MOCC&EC for

re-issuance while complying with the instructions for subject to satisfying the competent authority.

**Article 17 - Permits for Controlled Substance in transit within Pakistan.**

- 1) The controlled substances in transit within Pakistan are subject to transit permits.
- 2) Any person wishing to bring controlled substance in Pakistan for transit through any ports (sea, land or air) is required to submit a transit permit request.
- 3) A permit request must be submitted at least two (2) months before the intended transit.
- 4) Permit requests must be submitted to Pakistan Customs who may approve or reject transit permit requests accordingly in collaboration with the NOU. The policy order for the approval and/or rejection of the transit permit shall be as per Custom Act 1969 amended up to 30.06.2021 Chapter-XIII "Transit Trade"
- 5) Applicants for transit permit are required to submit the following information:
  - (a) the types and quantities of the transit material;
  - (b) the certificate of origin of the controlled substance;
  - (c) the length of transit in Pakistan and the final destination of the controlled substance; and
  - (d) the import permit from relevant authority in the importing country.

**Article 18 - High Ambient Temperature exemption under Montreal Protocol.**

- 1) HAT exemption, an additional exemption process to the critical use and essential use exemptions that are included in the Montreal Protocol and could be applied to HFC applications, are applicable to Pakistan. The HAT exemption is available in specific cases under decision XXVIII/2 paragraphs 26 to 37 Meeting of the Parties of the Montreal Protocol.
- 2) The National Ozone Unit in considering whether to avail the HAT exemption, shall consider the related decision of Meeting of the Parties to the Montreal Protocol on Substance that deplete the Ozone Layer on HAT Exemptions, the need to protect human health and environment from adverse effects resulting or likely to result from human activities which modify or are likely to modify the ozone layer or exacerbate global warming and the technology available and whether any product or equipment relying on low-GWP alternatives have been developed that may be used instead of product or equipment relying on high-GWP substance concerned.
- 3) The National Ozone Unit, wishing to use the HAT exemption, shall formally notify the Ozone Secretariat of its intention to use this exemption no later than one year before the HFC freeze date of Article 5 Parties, Group 2 and every four years thereafter should Pakistan wish to extend the exemption.
- 4) The equipment type covered by HAT exemption includes multi-split air conditioners (commercial and residential), split ducted air conditioners (commercial and residential) and ducted commercial packaged (self-contained) air conditioners. These equipment may change periodically and shall be updated as per Montreal Protocol.
- 5) The National Ozone Unit, if using HAT exemption, must report separately the production and consumption data for the sub-sectors to which the exemption applies.

- 6) The National Ozone Unit, if using HAT exemption, shall ensure that imports of any substance that is intended for use by a HAT exempt sub sector are monitored and are subject to import authorization from National Ozone Unit.
- 7) The National Ozone Unit, along-with Pakistan Customs, shall ensure sustainability and effectiveness of import monitoring system in place for sub-sector to which the exemption applies.
- 8) Once the country is operating under the HAT exemption, the National Ozone Unit must report separately its production and consumption data for the sub-sectors to which the exemption applies.

#### **Article 19 - Clearance from Customs.**

- 1) The Customs clearance will be granted by Pakistan Customs for release of imported controlled substances and/or products or equipment relying or containing controlled substance as per requirement of Custom procedure as well as PSW procedures and requirement.
- 2) The following documents must be submitted by either the importer or authorized Custom broker, who must submit the following documents in order to obtain Custom clearance for each shipment:
  - a) Letter of Credit
  - b) Shipment details including packing list
  - c) Bill of lading
  - d) Quota Authorization letter
  - e) Valid Import Authorization
- 3) Apart from regular Custom procedures, Pakistan Customs shall follow the following procedures to grant Custom clearance for each shipment of controlled substance:
  - a) Ensure that importer is part of list of eligible importers for that year issued by National Ozone Unit
  - b) Ensure that importer has been allocated quota for that year issued by the National Ozone Unit
  - c) Ensure that importer has valid authorization issued for import by NOU
  - d) Ensure that imported quantity of controlled substance is within allocated quota issued by the National Ozone Unit
- 4) The confiscation/ penalties to be imposed by Pakistan Customs for unauthorized imports and exports of controlled substances are outlined in Article 30 of this policy order.

#### **Article 20 - Labelling requirements of controlled substances containers/cylinders.**

- 1) It is mandatory that containers/cylinders of controlled substances shall be labelled with the following:
  - (a) an indication of the type of substance contained, in accordance with the provisions of Article 21, paragraph 2, below;
  - (b) the exact volume capacity of the container/cylinder;
  - (c) a standard indication of safety aspects of the substance (flammability, toxicity etc.) in line with the Globally Harmonized System of Classification and Labelling of Chemicals with company logo and necessary certification (if any).

- 2) The import of recovered, recycled or reclaimed controlled substance shall be only allowed if the producer clearly marks on container/cylinder recovered, recycled or reclaimed. Pakistan Customs will only release such containers/cylinder only if they are clearly marked.
- 3) The language on label must be in English and/or Urdu.

**Article 21 - Labelling requirements of products and equipment containing or relying on controlled substance in Appendix-E (HFCs).**

- 1) The products and equipment containing or relying on HFCs must be labelled in English and/or Urdu in order to be eligible to be placed on market. This is applicable on following:
  - (a) refrigeration equipment;
  - (b) air-conditioning equipment including mobile air conditioning systems;
  - (c) heat pumps;
  - (d) fire protection equipment;
  - (e) aerosol dispensers that contain HFCs gases, with the exception of metered-dose inhalers for the delivery of pharmaceutical ingredients; and
  - (f) HFC-based solvents.
- 2) The label required pursuant to paragraph 1) above shall indicate the following information.
  - a) a reference that the product or equipment contains HFCs or that its functioning relies upon such substances;
  - b) the ASHRAE industry designation for the HFCs concerned or, if no such designation is available, the chemical name;
  - c) the quantity expressed in weight/volume of HFCs contained in the product or equipment, or the quantity of HFCs for which the equipment is designed.
- 3) HFCs or that its functioning relies upon such substances, the ASHRAE industry designation of the controlled substance concerned or the chemical name if no such designation is available and the quantity expressed in weight/volume of HFCs contained in the product or equipment, or the quantity of HFCs for which the equipment is designed.
- 4) The language on label must be in English and/or Urdu.
- 5) The label must be legible and indelible and shall be placed either adjacent to the service ports for charging or recovering the HFCs or on that part of the product or equipment that contains the HFCs.

**Article 22 - Ban on non-refillable containers.**

The manufacture or import of disposable, non-refillable refrigerant containers is prohibited.

**Article 23 - Labelling requirements of imported containers/cylinders for use of the sub-sectors to which the HAT exemption applies.**

- 1) The HFCs imported under the HAT exemption shall not be released by Customs unless the containers/cylinders carry the label in the prescribed form specified by the National Ozone Unit.
- 2) If Pakistan uses HAT exemption, the National Ozone Unit shall publish the prescribed form of labels at least 6 months in advance from the implementation of the HAT exemption.

## CHAPTER 5 – REDUCTION OF HCFC/HFC CONSUMPTION

### Article 24 - Control Measure and Reduction Schedule of HCFCs and HFCs.

- 1) The Government of Pakistan shall gradually reduce and phase out the consumption of HCFCs (Appendix C, Group I).
- 2) The annual HCFC consumption (in ODP tonnes) shall, at a minimum, be controlled in compliance with the following control measure and schedule with baseline being average of 2009 and 2010 consumption levels:

Control Measure	Schedule
Freeze	2013
90% (10% reduction)	2015
65% (35% reduction)	2020
32.5% (67.5% reduction)	2025
2.5% (97.5% reduction)	2030
Consumption between 2030 and 2039 (i.e., the servicing tail) may exceed zero in any year as long as the average calculated level of consumption over the ten years from 1 January 2030 to 1 January 2040 does not exceed 2.5 percent of country baseline consumption, in compliance with the Montreal Protocol	2030-2039
100% reduction	2040

- 3) The Government of Pakistan shall gradually phase-down the consumption of HFCs (Appendix-E).
- 4) The annual HFC consumption (in tonnes CO<sub>2</sub> equivalent) shall, at a minimum, be controlled in compliance with the following phase down schedule with baseline being average production/consumption of HFCs in 2024, 2025 and 2026 plus 65% of HCFC baseline production/consumption:

Reduction Steps	Schedule
Freeze	2028
Step 1, 10% reduction	2032
Step 2, 20% reduction	2037
Step 3, 30% reduction	2042
Step 4, 85% reduction	2047

- 5) The National Ozone Unit is responsible for exercising control of controlled substances and compliance with the reduction schedule established in the Montreal Protocol and its amendments in Pakistan.

## CHAPTER 6 – EMISSION CONTROL

### Article 25 - Measures for leakages and emissions of controlled substances.

- 1) All entities must take practical measures that are technically and economically feasible to prevent and minimize leakages and emissions of controlled substances in all applications, as feedstock and/or as by product of manufacturing of other chemicals.
- 2) The entities operating refrigeration, air conditioners, heat pump equipment or fire protection systems, including their circuits, which contain controlled substances shall ensure that the stationary equipment or systems:
  - (a) with a fluid charge of 10 kg or more of controlled substances are checked for leakage at least once every 6 months;
  - (b) with a fluid charge of 100 kg or more of controlled substances are checked for leakage at least once every 3 months;
  - (c) any detected leakage is repaired as soon as possible and in any event within 14 days from detection of the leakage; and
  - (d) product, equipment or system shall be checked for leakage within 1 month after the leak has been repaired to ensure that repair has been effective.
- 3) The entities referred to in subsection (2) of this article must ensure that product or equipment containing controlled substances is checked and repaired when necessary by a qualified and trained professional.
- 4) It is mandatory for the entities to maintain records on the quantity and type of controlled substances added and the quantity recovered during maintenance, servicing and final disposal of the equipment/system containing controlled substance. The records maintained should have information on company or technician who performed maintenance or servicing as well as dates and results of leakage checks carried out. These records shall be made available on request to the NOU.
- 5) The National Ozone Unit and National Vocational & Technical Training Commission shall determine the minimum requirements for qualified and trained professional who can check and repair product or equipment containing controlled substances.
- 6) The National Ozone Unit shall set up an electronic registry system in due course of time of qualified and trained professionals/technicians.
- 7) The National Ozone Unit and National Vocational & Technical Training Commission shall establish a list of technologies or practices in due course of time that may be used by entities to prevent and minimize any leakage and emission of controlled substances.

## **CHAPTER 7 - REPORTING, INSPECTION, AND PENALTIES**

### **Article 26 - Information.**

The Ministry of Commerce, Pakistan Revenue Automation Limited, Pakistan Customs and Federal Board of Revenue upon request of Ministry of Climate Change and Environmental Coordination, National Ozone Unit shall share data on trade of controlled substances and/or equipment or products containing or relying on controlled substance by refrigerant no later than 14 working days after receipt of request.

### **Article 27 - Reporting Obligations.**

- 1) Substances, post-clearance reporting: It is mandatory for importer/exporter of controlled substances to submit a report to the National Ozone Unit with information as per reporting template in Appendix-H of this order within 10 working days from Customs clearance, whenever import/export of controlled substance is carried out and import/export authorization is used. The importer/exporter must maintain records of trade of controlled substances for at least 5 years after the record is made.
- 2) Substances, annual reporting: It is mandatory for importer/local manufacturer of controlled substances and alternatives to HFCs to provide annual report to National Ozone Unit as per reporting template in Appendix-I of this policy order, no later than 31 January of the following year. Records of trade/manufacturing of controlled substances must be maintained for at least 5 years after the record is made.
- 3) Equipment, annual reporting: It is mandatory for importer/local manufacturer of products or equipment relying on controlled substance or alternatives to HFCs to provide annual report to National Ozone Unit as per reporting template in Appendix-J of this policy order, no later than 31 January of the following year. Records of import/manufacturing of products or equipment relying on controlled substance and alternatives to HFCs must be maintained for at least 5 years after the record is made.
- 4) Substances, unused quantities: It is mandatory to report to National Ozone Unit of unused allocated quota of current year no later than 01 June of that year. The NOU may call for additional applications during July of that year for transfer of unused quota and reach a decision accordingly.
- 5) Any entity who has imported controlled substance(s) shall provide the National Ozone Unit, on its written request, any further information required for the fulfilment of Pakistan's obligation under the Montreal Protocol.
- 6) Any importer failing to submit satisfactory information as requested by the National Ozone Unit within the prescribed time and using the prescribed format shall be notified by the National Ozone Unit and shall be granted the opportunity to correct the information within one month of the receipt of notification. The notification regarding unsatisfactory information submitted shall be in writing and shall provide a list of information that the importer needs to supplement to improve the reporting to a satisfactory level. Any importer failing to correct the information within 30 days shall be excluded from the subsequent quota application process.

#### **Article 28 - Taxation duties and exemptions.**

- 1) The National Ozone Unit may support tax exemptions for importers of ozone- and climate friendly substances and products or equipment relying or containing ozone and climate friendly substances after the approval from relevant competent authorities.
- 2) The National Ozone Unit may propose levy tax duties on importers of certain controlled substances and products or equipment relying or containing controlled substances after the approval from relevant competent authorities.

#### **Article 29 - Inspection.**

- 1) The National Ozone Unit may conduct inspections on the compliance of the entities of this policy order including inspections on import and exports of controlled substances as well as products and equipment relying on controlled substances.
- 2) All entities are expected to cooperate, provide correct information and facilitate the inspection process. Obstructing or rejecting inspection may result in imposition of penalties as per the decision of the National Ozone Unit, MOCC&EC.

#### **Article 30 - Penalties & Confiscation.**

In case the entities breach their responsibilities, obligations and/or fail to comply by the rules and regulations set out in this policy order, the National Ozone Unit in cooperation with Pakistan Customs and other relevant authorities may;

- 1) order the entity to cease from such illegal act;
- 2) confiscate any illegal controlled substance and/or the equipment containing or relying on the controlled substance or in illegal use;
- 3) impose a fine of not less than Rs. 200,000 and not more than Rs. 2,000,000;
- 4) suspend annual import quota authorization or prohibit consumption of controlled substance and equipment or product or equipment relying on controlled substance for any period of time based on decision of NOU; and
- 5) permanently revoke trade/manufacturing authorization of controlled substance based on decision of NOU.
- 6) Mislabeled containers and/or equipment or products relying on controlled substance are to be confiscated by Pakistan Customs. Penalties will be imposed on import of mislabeled containers and/or equipment or products relying on controlled substance and shall be returned to country of export with all dues/expenses to be paid by importer.

#### **Article 31 - Use of the informal Prior Informed Consent Mechanism (iPIC).**

No controlled substance should be imported into Pakistan without a positive response from an inquiry in the iPIC mechanism.

**APPENDIX-A**

**CONTROLLED SUBSTANCES – Montreal Protocol Annex A**

<b>Group</b>	<b>Substance</b>	<b>Ozone Depleting Potential*</b>	<b>100-Year Global Warming Potential</b>	
<b>Group I</b>				
	CFCl <sub>3</sub>	(CFC-11)	1.0	4,750
	CF <sub>2</sub> Cl <sub>2</sub>	(CFC-12)	1.0	10,900
	C <sub>2</sub> F <sub>3</sub> Cl <sub>3</sub>	(CFC-113)	0.8	6,130
	C <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>	(CFC-114)	1.0	10,000
	C <sub>2</sub> F <sub>5</sub> Cl	(CFC-115)	0.6	7,370
<b>Group II</b>				
	CF <sub>2</sub> BrCl	(halon-1211)	3.0	
	CF <sub>3</sub> Br	(halon-1301)	10.0	
	C <sub>2</sub> F <sub>4</sub> Br <sub>2</sub>	(halon-2402)	6.0	

**(Controlled substance means a substance in Annex A, Annex B, Annex C, Annex E or Annex F to the Protocol, whether existing alone or in a mixture)**

*\*These ozone depleting potentials are estimates and may be reviewed & revised periodically*

**APPENDIX-B****CONTROLLED SUBSTANCES – Montreal Protocol Annex B**

<b>Group</b>	<b>Substance</b>	<b>Ozone-Depleting Potential</b>
Group I		
CF <sub>3</sub> Cl	(CFC-13)	1.0
C <sub>2</sub> FCl <sub>5</sub>	(CFC-111)	1.0
C <sub>2</sub> F <sub>2</sub> Cl <sub>4</sub>	(CFC-112)	1.0
C <sub>3</sub> FCl <sub>7</sub>	(CFC-211)	1.0
C <sub>3</sub> F <sub>2</sub> Cl <sub>6</sub>	(CFC-212)	1.0
C <sub>3</sub> F <sub>3</sub> Cl <sub>5</sub>	(CFC-213)	1.0
C <sub>3</sub> F <sub>4</sub> Cl <sub>4</sub>	(CFC-214)	1.0
C <sub>3</sub> F <sub>5</sub> Cl <sub>3</sub>	(CFC-215)	1.0
C <sub>3</sub> F <sub>6</sub> Cl <sub>2</sub>	(CFC-216)	1.0
C <sub>3</sub> F <sub>7</sub> Cl	(CFC-217)	1.0
Group II		
CCl <sub>4</sub>	carbon tetrachloride	1.1
Group III		
C <sub>2</sub> H <sub>3</sub> Cl <sub>3</sub> *	1,1,1-trichloroethane* (methyl chloroform)	0.1

**(Controlled substance means a substance in Annex A, Annex B, Annex C, Annex E or Annex F to the Protocol, whether existing alone or in a mixture)**

*\* This formula does not refer to 1,1,2-trichloroethane.*

**CONTROLLED SUBSTANCES – Montreal Protocol Annex C**

<b>Group</b>	<b>Substance</b>	<b>Number of Isomers</b>	<b>Ozone-Depleting Potential</b>	<b>100-Year Global Warming Potential</b>	
Group I					
	CHFC1 <sub>2</sub>	(HCFC-21)**	1	0.04	151
	CHF <sub>2</sub> Cl	(HCFC-22)**	1	0.055	1810
	CH <sub>2</sub> FCl	(HCFC-31)	1	0.02	
	C <sub>2</sub> HFCl <sub>4</sub>	(HCFC-121)	2	0.01–0.04	
	C <sub>2</sub> HF <sub>2</sub> Cl <sub>3</sub>	(HCFC-122)	3	0.02–0.08	
	C <sub>2</sub> HF <sub>3</sub> Cl <sub>2</sub>	(HCFC-123)	3	0.02–0.06	77
	CHCl <sub>2</sub> CF <sub>3</sub>	(HCFC-123)**	–	0.02	
	C <sub>2</sub> HF <sub>4</sub> Cl	(HCFC-124)	2	0.02–0.04	609
	CHFC1CF <sub>3</sub>	(HCFC-124)**	–	0.022	
	C <sub>2</sub> H <sub>2</sub> FCl <sub>3</sub>	(HCFC-131)	3	0.007–0.05	
	C <sub>2</sub> H <sub>2</sub> F <sub>2</sub> Cl <sub>2</sub>	(HCFC-132)	4	0.008–0.05	
	C <sub>2</sub> H <sub>2</sub> F <sub>3</sub> Cl	(HCFC-133)	3	0.02–0.06	
	C <sub>2</sub> H <sub>3</sub> FCl <sub>2</sub>	(HCFC-141)	3	0.005–0.07	
	CH <sub>3</sub> CFCl <sub>2</sub>	(HCFC-141b)**	–	0.11	725
	C <sub>2</sub> H <sub>3</sub> F <sub>2</sub> Cl	(HCFC-142)	3	0.008–0.07	
	CH <sub>3</sub> CF <sub>2</sub> Cl	(HCFC-142b)**	–	0.065	2310
	C <sub>2</sub> H <sub>4</sub> FCl	(HCFC-151)	2	0.003–0.005	
	C <sub>3</sub> HFCl <sub>6</sub>	(HCFC-221)	5	0.015–0.07	
	C <sub>3</sub> HF <sub>2</sub> Cl <sub>5</sub>	(HCFC-222)	9	0.01–0.09	
	C <sub>3</sub> HF <sub>3</sub> Cl <sub>4</sub>	(HCFC-223)	12	0.01–0.08	
	C <sub>3</sub> HF <sub>4</sub> Cl <sub>3</sub>	(HCFC-224)	12	0.01–0.09	
	C <sub>3</sub> HF <sub>5</sub> Cl <sub>2</sub>	(HCFC-225)	9	0.02–0.07	
	CF <sub>3</sub> CF <sub>2</sub> CHCl <sub>2</sub>	(HCFC-225ca)**	–	0.025	122
	CF <sub>2</sub> ClCF <sub>2</sub> CHClF	(HCFC-225cb)**	–	0.033	595
	C <sub>3</sub> HF <sub>6</sub> Cl	(HCFC-226)	5	0.02–0.10	
	C <sub>3</sub> H <sub>2</sub> FCl <sub>5</sub>	(HCFC-231)	9	0.05–0.09	
	C <sub>3</sub> H <sub>2</sub> F <sub>2</sub> Cl <sub>4</sub>	(HCFC-232)	16	0.008–0.10	
	C <sub>3</sub> H <sub>2</sub> F <sub>3</sub> Cl <sub>3</sub>	(HCFC-233)	18	0.007–0.23	
	C <sub>3</sub> H <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>	(HCFC-234)	16	0.01–0.28	
	C <sub>3</sub> H <sub>2</sub> F <sub>5</sub> Cl	(HCFC-235)	9	0.03–0.52	
	C <sub>3</sub> H <sub>3</sub> FCl <sub>4</sub>	(HCFC-241)	12	0.004–0.09	
	C <sub>3</sub> H <sub>3</sub> F <sub>2</sub> Cl <sub>3</sub>	(HCFC-242)	18	0.005–0.13	
	C <sub>3</sub> H <sub>3</sub> F <sub>3</sub> Cl <sub>2</sub>	(HCFC-243)	18	0.007–0.12	
	C <sub>3</sub> H <sub>3</sub> F <sub>4</sub> Cl	(HCFC-244)	12	0.009–0.14	
	C <sub>3</sub> H <sub>4</sub> FCl <sub>3</sub>	(HCFC-251)	12	0.001–0.01	
	C <sub>3</sub> H <sub>4</sub> F <sub>2</sub> Cl <sub>2</sub>	(HCFC-252)	16	0.005–0.04	
	C <sub>3</sub> H <sub>4</sub> F <sub>3</sub> Cl	(HCFC-253)	12	0.003–0.03	
	C <sub>3</sub> H <sub>5</sub> FCl <sub>2</sub>	(HCFC-261)	9	0.002–0.02	
	C <sub>3</sub> H <sub>5</sub> F <sub>2</sub> Cl	(HCFC-262)	9	0.002–0.02	
	C <sub>3</sub> H <sub>6</sub> FCl	(HCFC-271)	5	0.001–0.03	

Group	Substance	Number of Isomers	Ozone-Depleting Potential
Group II			
	CHFBr <sub>2</sub>	1	1.00
	CHF <sub>2</sub> Br	(HBFC-22B1)	1
	CH <sub>2</sub> FBr	1	0.74
	CH <sub>2</sub> FBr	1	0.73
	C <sub>2</sub> HFBr <sub>4</sub>	2	0.3–0.8
	C <sub>2</sub> HF <sub>2</sub> Br <sub>3</sub>	3	0.5–1.8
	C <sub>2</sub> HF <sub>3</sub> Br <sub>2</sub>	3	0.4–1.6
	C <sub>2</sub> HF <sub>4</sub> Br	2	0.7–1.2
	C <sub>2</sub> H <sub>2</sub> FBr <sub>3</sub>	3	0.1–1.1
	C <sub>2</sub> H <sub>2</sub> F <sub>2</sub> Br <sub>2</sub>	4	0.2–1.5
	C <sub>2</sub> H <sub>2</sub> F <sub>3</sub> Br	3	0.7–1.6
	C <sub>2</sub> H <sub>3</sub> FBr <sub>2</sub>	3	0.1–1.7
	C <sub>2</sub> H <sub>3</sub> F <sub>2</sub> Br	3	0.2–1.1
	C <sub>2</sub> H <sub>4</sub> FBr	2	0.07–0.1
	C <sub>3</sub> HFBr <sub>6</sub>	5	0.3–1.5
	C <sub>3</sub> HF <sub>2</sub> Br <sub>5</sub>	9	0.2–1.9
	C <sub>3</sub> HF <sub>3</sub> Br <sub>4</sub>	12	0.3–1.8
	C <sub>3</sub> HF <sub>4</sub> Br <sub>3</sub>	12	0.5–2.2
	C <sub>3</sub> HF <sub>5</sub> Br <sub>2</sub>	9	0.9–2.0
	C <sub>3</sub> HF <sub>6</sub> Br	5	0.7–3.3
	C <sub>3</sub> H <sub>2</sub> FBr <sub>5</sub>	9	0.1–1.9
	C <sub>3</sub> H <sub>2</sub> F <sub>2</sub> Br <sub>4</sub>	16	0.2–2.1
	C <sub>3</sub> H <sub>2</sub> F <sub>3</sub> Br <sub>3</sub>	18	0.2–5.6
	C <sub>3</sub> H <sub>2</sub> F <sub>4</sub> Br <sub>2</sub>	16	0.3–7.5
	C <sub>3</sub> H <sub>2</sub> F <sub>5</sub> Br	8	0.9–1.4
	C <sub>3</sub> H <sub>3</sub> FBr <sub>4</sub>	12	0.08–1.9
	C <sub>3</sub> H <sub>3</sub> F <sub>2</sub> Br <sub>3</sub>	18	0.1–3.1
	C <sub>3</sub> H <sub>3</sub> F <sub>3</sub> Br <sub>2</sub>	18	0.1–2.5
	C <sub>3</sub> H <sub>3</sub> F <sub>4</sub> Br	12	0.3–4.4
	C <sub>3</sub> H <sub>4</sub> FBr <sub>3</sub>	12	0.03–0.3
	C <sub>3</sub> H <sub>4</sub> F <sub>2</sub> Br <sub>2</sub>	16	0.1–1.0
	C <sub>3</sub> H <sub>4</sub> F <sub>3</sub> Br	12	0.07–0.8
	C <sub>3</sub> H <sub>5</sub> FBr <sub>2</sub>	9	0.04–0.4
	C <sub>3</sub> H <sub>5</sub> F <sub>2</sub> Br	9	0.07–0.8
	C <sub>3</sub> H <sub>6</sub> FBr	5	0.02–0.7
Group III			
	CH <sub>2</sub> BrCl	bromochloromethane	1
			0.12

**(Controlled substance means a substance in Annex A, Annex B, Annex C, Annex E or Annex F to the Protocol, whether existing alone or in a mixture)**

\* Where a range of ODPs is indicated, the highest value in that range shall be used for the purposes of the Montreal Protocol. The ODPs listed as a single value have been determined from calculations based on laboratory measurements. Those listed as a range are based on estimates and are less certain. The range pertains to an isomeric group. The upper value is the estimate of the ODP of the isomer with the highest ODP, and the lower value is the estimate of the ODP of the isomer with the lowest ODP.

\*\* Identifies the most commercially viable substances with ODP values listed against them to be used for the purposes of the Montreal Protocol.

\*\*\* For substances for which no GWP is indicated, the default value 0 applies until a GWP value is included by means of the procedure foreseen in paragraph 9 (a) (ii) of Article 2 of the Montreal Protocol on Substances that Deplete the Ozone Layer.

**APPENDIX-D**

**CONTROLLED SUBSTANCES – Montreal Protocol Annex E**

<b>Group</b>	<b>Substance</b>	<b>Ozone-Depleting Potential</b>
Group I		
CH <sub>3</sub> Br	Methyl Bromide	0.6

**(Controlled substance means a substance in Annex A, Annex B, Annex C, Annex E or Annex F to the Protocol, whether existing alone or in a mixture)**

**APPENDIX-E****CONTROLLED SUBSTANCES – Montreal Protocol Annex F**

Group	Substance	100-Year Global Warming Potential (GWP)
Group I		
CHF <sub>2</sub> CHF <sub>2</sub>	HFC-134	1,100
CH <sub>2</sub> FCF <sub>3</sub>	HFC-134a	1,430
CH <sub>2</sub> FCHF <sub>2</sub>	HFC-143	353
CHF <sub>2</sub> CH <sub>2</sub> CF <sub>3</sub>	HFC-245fa	1,030
CF <sub>3</sub> CH <sub>2</sub> CF <sub>2</sub> CH <sub>3</sub>	HFC-365mfc	794
CF <sub>3</sub> CHF <sub>2</sub> CF <sub>3</sub>	HFC-227ea	3,220
CH <sub>2</sub> FCF <sub>2</sub> CF <sub>3</sub>	HFC-236cb	1,340
CHF <sub>2</sub> CHF <sub>2</sub> CF <sub>3</sub>	HFC-236ea	1,370
CF <sub>3</sub> CH <sub>2</sub> CF <sub>3</sub>	HFC-236fa	9,810
CH <sub>2</sub> FCF <sub>2</sub> CHF <sub>2</sub>	HFC-245ca	693
CF <sub>3</sub> CHF <sub>2</sub> CHF <sub>2</sub> CF <sub>3</sub>	HFC-43-10mee	1,640
CH <sub>2</sub> F <sub>2</sub>	HFC-32	675
CHF <sub>2</sub> CF <sub>3</sub>	HFC-125	3,500
CH <sub>3</sub> CF <sub>3</sub>	HFC-143a	4,470
CH <sub>3</sub> F	HFC-41	92
CH <sub>2</sub> FCH <sub>2</sub> F	HFC-152	53
CH <sub>3</sub> CHF <sub>2</sub>	HFC-152a	124
Group II		
CHF <sub>3</sub>	HFC-23	14,800

**(Controlled substance means a substance in Annex A, Annex B, Annex C, Annex E or Annex F to the Protocol, whether existing alone or in a mixture)**

**APPENDIX-F**

**A list of products\* containing controlled substances specified in Appendix-A to Appendix-E-Montreal Protocol Annex D**

No.	Products
1	Automobile and truck air conditioning units (whether incorporated in vehicles or not)
2	Domestic and commercial refrigeration and air conditioning/heat pump equipment**
	e.g. Refrigerators
	Freezers
	Dehumidifiers
	Water coolers
	Ice machines
	Air conditioning and heat pump units
3	Aerosol products, except medical aerosols
4	Portable fire extinguisher
5	Insulation boards, panels and pipe covers
6	Pre-polymers

\* Though not when transported in consignments of personal or household effects or in similar non-commercial situations normally exempted from customs attention.

\*\* When containing controlled substances in Annex A as a refrigerant and/or in insulating material of the product.



## **APPENDIX-G**

### **QUOTA REQUEST APPLICATION**

#### **General Instructions**

1. This quota request application template is to be used by the importer included in the list of eligible importers published by the National Ozone Unit who wishes to import controlled substances in Pakistan.
2. The quota application request should contain a request of required quantity of controlled substances in Kgs (up to 2 decimal place) and should be submitted no later than the announced deadline by National Ozone Unit.
3. The List of Controlled Substances is included in Montreal Protocol Policy Order for Pakistan 2023
4. The National Ozone Unit may ask for additional documents, information or clarification on an as-needed basis.
5. Failure to respond to additional information/documents to the National Ozone Unit, may result in disqualification of the applicant, based on the NOU's decision.
6. If false or misleading information is submitted by importer, the National Ozone Unit may impose penalties.
7. The quota request application has to be completely filled and signed in order for it to be considered complete. Incomplete applications shall not be accepted and it is the duty of importer to ensure that the application submitted is complete.
8. If incomplete or wrong information is in the application after submission to NOU, the importer must notify the National Ozone Unit immediately.
9. The complete and signed quota application should be submitted both via email and as paper application to the following:

**National Ozone Unit, Ministry of Climate Change  
and Environmental Coordination  
Government of Pakistan  
Office 18, 2<sup>nd</sup> Floor, Executive Complex  
G-8 Markaz, Islamabad  
Tel: 051-9260686  
Fax: 051-9107707  
Email: [info@nou.gov.pk](mailto:info@nou.gov.pk)**



### Controlled Substance Quota Request Application

**A. Applicant Data**

Business/Trader Name: \_\_\_\_\_

Business Type: Industry  Commercial Trader  Other(*please specify*): \_\_\_\_\_

Address: \_\_\_\_\_

Mobile: \_\_\_\_\_ Email: \_\_\_\_\_

National Tax Number: \_\_\_\_\_ PSW ID(s): \_\_\_\_\_

**B. Historical Information**

- At the date of this application, are you among list of eligible importers issued by the National Ozone Unit? (*attach supporting documents*)

Yes  No

- Were you allocated a quota for controlled substances last year? (*attach supporting documents of quota allocation*)

Yes  No

If yes, please provide the following information: (*attach supporting documents of actual quantity of controlled substance imported last year and copy of bill of lading for each shipment*)

Controlled Substance	Quota Allocated last year (Kg)	Actual Quantity Imported (Kg)	Year of Import	G.D. No & Date	Country of Import

- In case there is a difference between quota allocated and actual quantity imported, please specify the reason for the difference:

\_\_\_\_\_

- Was your import quota suspended or import authorization revoked in the past?

Yes  No

If yes, please provide the reason. (*attach documents as applicable*)

\_\_\_\_\_

\_\_\_\_\_



- Have you ever been issued a penalty notice or convicted of offense under the Montreal Protocol Policy Order for Pakistan 2023?

Yes

No

If yes, please provide the reason. *(attach documents as applicable)*

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- Have you ever been issued a penalty notice or convicted of an offense under the Imports and Exports (Control) Act, 1950 and/or subsequent amendments?

Yes

No

If yes, please provide the reason. *(attach documents as applicable)*

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- Have you ever failed to report to the National Ozone Unit of un-used allocated quota of controlled substances within stipulated time frame set by the Montreal Protocol Policy Order for Pakistan 2023?

Yes

No

If yes, please provide the reason. *(attach documents as applicable)*

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- Have you ever failed to report to the National Ozone Unit the import of controlled substances and/or equipment or products relying on controlled substances?

Yes

No

If yes, please provide the reason. *(attach documents as applicable)*

---

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- Have you ever failed to meet the reporting obligations set forth in the Montreal Protocol Policy Order for Pakistan 2023?

Yes

No

If yes, please provide the reason. *(attach documents as applicable)*

---

---



**C. Quota Request for Controlled Substance**

- Please fill in the following table with information regarding controlled substance you wish to apply for quota?

Controlled Substance	Chemical/Commercial Name	Requested Quantity of Quota (Kg)	No. of intended import shipments	Intended Use of Substance

**D. Declaration**

By signing this report, I/we hereby declare that I/we are the person responsible for reporting the imported/exported controlled substance and that all information provided in this report are true and correct.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Company Stamp (if applicable)



## **APPENDIX-H**

### **REPORT ON USE OF AUTHORIZATION FOR TRADE OF CONTROLLED SUBSTANCE**

#### **General Instructions**

1. This reporting template is to be used by the importer/exporter of the Controlled Substances.
2. The trade of Controlled Substances can only be carried out after Import/Export Authorization is granted by the National Ozone Unit Pakistan as per the Montreal Protocol Policy Order for Pakistan 2023 which includes the list of Controlled Substance.
3. The report is to be submitted by importer/exporter within 10 working days of obtaining Custom clearance in case of import and within 10 working days after departure from Pakistani borders in case of export.
4. The National Ozone Unit may ask for additional documents, information or clarification on an as-needed basis.
5. If false or misleading information is submitted by importer/exporter, the National Ozone Unit may impose penalties.
6. Failure to comply by the reporting obligations as laid out in Montreal Protocol Policy Order for Pakistan 2023 may result in penalties or even permanent revocation of import/export authorization based on decision of the National Ozone Unit.
7. It is mandatory for importer/exporter of controlled substance to maintain records of trade of controlled substances for at least 5 years after the record is made.
8. The importer/exporter can attach additional sheets of paper and information in order to provide further clarity and assist in the report evaluation process.
9. The report has to be completely filled and signed in order for it to be considered complete. Incomplete reports shall not be accepted and it is the duty of importer/exporter to ensure that the report submitted is complete.
10. If incomplete or wrong data is in the report after submission to NOU, the importer/exporter must notify the National Ozone Unit immediately.
11. If both import and export of both controlled substance is carried out, the importer/exporter must report each activity separately i.e. new report for each activity.
12. If import of controlled substance is carried out under any exemptions of the Montreal Protocol Policy Order for Pakistan 2023, it is mandatory that the importer submits evidence and supporting documents of exemption approval with this report.
13. The data reported in kilograms of controlled substances must be up to 2 decimal places.
14. The importer/exporter of controlled substance has to submit the reports both via email and as paper application to the following:

**National Ozone Unit, Ministry of Climate Change  
and Environmental Coordination  
Government of Pakistan  
Office 18, 2<sup>nd</sup> Floor, Executive Complex  
G-8 Markaz, Islamabad  
Tel: 051-9260686  
Fax: 051-9107707  
Email: [info@nou.gov.pk](mailto:info@nou.gov.pk)**



## Report Template on Use of Authorization for Trade of Controlled Substances

### A. Applicant Data

Business/Trader Name: \_\_\_\_\_

Business Type: Industry  Commercial Trader  Other(*please specify*): \_\_\_\_\_

Address: \_\_\_\_\_

Mobile: \_\_\_\_\_ Email: \_\_\_\_\_

National Tax Number: \_\_\_\_\_ PSW ID(s): \_\_\_\_\_

- Which of the following trade activity of Controlled Substance have you/your business has carried out?

Import

Export

### B. Import/Export Information

- Kindly share the below information of import/export application that was submitted through PSW? (*attach a copy of approved submitted application*)

Electronic Import Form No.: \_\_\_\_\_ Electronic Import Form Date: \_\_\_\_\_  
(*if applicable*)

Form E No.: \_\_\_\_\_ Form E Date: \_\_\_\_\_  
(*if applicable*)

Goods Declaration No.: \_\_\_\_\_ G.D. Date: \_\_\_\_\_

- Kindly share the below information in case of import of controlled substances? (*attach document as applicable*)

Exporter Name: \_\_\_\_\_ Exporter Address: \_\_\_\_\_

Port of Exit: \_\_\_\_\_ Port of Entry: \_\_\_\_\_

Date of Import: \_\_\_\_\_

- Kindly share the below information in case of export of controlled substances? (*attach document as applicable*)

Importer Name: \_\_\_\_\_ Importer Address: \_\_\_\_\_

Port of Exit: \_\_\_\_\_ Port of Entry: \_\_\_\_\_

Date of Export: \_\_\_\_\_



**C. Import/Export of Controlled Substance**

- In case of import of controlled substance, please complete the table below:

Chemical/ Commercial Name of Substance	Quantity imported (Kg)	Total quota allotted for current year (Kg)	No. & size of imported cylinder	Country Substance is Imported from	Country of Production	PCT Code used to Import

- In case of export of controlled substance, please complete the table below:

Chemical/ Commercial Name of Substance	Quantity exported (Kg)	Total quota allotted for current year (Kg)	No. & size of exported cylinder	Country Substance is Imported from	Country of Production	HS Code used to Export

- If you have imported/exported controlled substance previously, please provide a record of past imports during the current calendar year in descending order.

Chemical/ Commercial Name of Substance	Imported or exported?	Quantity (Kg)	Date

**D. Declaration**

By signing this report, I/we hereby declare that I/we are the person responsible for reporting the imported/exported controlled substance and that all information provided in this report are true and correct.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Company Stamp (if applicable)



## **APPENDIX-I**

### **ANNUAL REPORT ON CONTROLLED SUBSTANCE**

#### **General Instructions**

1. This reporting template is to be used by the importer of the Controlled Substances.
2. The annual reporting is compulsory as per the reporting obligations of Montreal Protocol Policy Order for Pakistan 2023 and the report is to be submitted by importer of Controlled Substances no later than end of January. (e.g., if current year is 2023, report is to be submitted by 31 January 2024)
3. The list of Controlled Substance is included in Montreal Protocol Policy Order for Pakistan 2023.
4. The National Ozone Unit may ask for additional documents, information or clarification on need basis.
5. If false or misleading information is submitted by importer/exporter, the National Ozone Unit may impose penalties based on its decision.
6. Failure to comply by the reporting obligations as laid out in Montreal Protocol Policy Order for Pakistan 2023 may result in penalties or even permanent revocation of import authorization based on decision of National Ozone Unit.
7. It is mandatory for importer/exporter of controlled substance to maintain records of trade of controlled substances for at least 5 years after the record is made.
8. The importer can attach additional sheets of paper and information in order to provide further clarity and assist in the annual report evaluation process.
9. The report has to be completely filled and signed in order for it to be considered complete. Incomplete reports shall not be accepted and it is the duty of importer to ensure that the report submitted is complete.
10. If incomplete or wrong data is in the report after submission to NOU, the importer must notify the National Ozone Unit immediately.
11. If import of controlled substances is carried out under any exemptions of the Montreal Protocol Policy Order for Pakistan 2023, it is mandatory that the importer to submits evidence and supporting documents of exemption approval with this report.
12. The data reported in kilograms of controlled substances must be up to 2 decimal places.
13. The importer of controlled substance has to submit the reports both via email and as paper application on the following:

**National Ozone Unit, Ministry of Climate Change  
and Environmental Coordination  
Government of Pakistan  
Office 18, 2<sup>nd</sup> Floor, Executive Complex  
G-8 Markaz, Islamabad  
Tel: 051-9260686  
Fax: 051-9107707  
Email: [info@nou.gov.pk](mailto:info@nou.gov.pk)**



## Annual Report Template on Controlled Substances for Authorized Importer

### A. Applicant Data

Business/Trader Name: \_\_\_\_\_

Business Type: Industry  Commercial Trader  Other(*please specify*): \_\_\_\_\_

Address: \_\_\_\_\_

Mobile: \_\_\_\_\_ Email: \_\_\_\_\_

National Tax Number: \_\_\_\_\_ PSW ID(s): \_\_\_\_\_

- Which of the following activities of Controlled Substance have you/your business has carried out?

Import  Export

### B. Import Information

- Please identify which substances have you imported in the last calendar year?

HCFCs  HFCs  Methyl Bromide  Other: \_\_\_\_\_

- If import of controlled substance is carried out under High Ambient Temperature (HAT) exemption, please identify the substance imported? (*attach supporting documents of HAT exemption approval*)

\_\_\_\_\_

\_\_\_\_\_

### C. Import of Controlled Substance/Alternatives to HFCs

- In case of import of controlled substance or alternatives to HFC, please complete the table below for entire import data in last calendar year. (*attach additional pages if required*)

S.#	Chemical/ Commercial Name	Quantity imported (Kg)	Approved quota (Kg)	Country Imported from	Use of Substance	PCT Code used	Date(s) of Import	No. of times imported



- Please provide the following data of recipient of the imported controlled substance/alternatives to HFC. *(attach additional pages if required)*

S.#	Buyer Name	Substance Sold	Quantity (Kg)	Address	Mobile	Email

- If the controlled substance is used as a feedstock, please provide the following data of the recipient of the imported controlled substance. *(attach additional pages if required)*

S.#	Buyer Name	Substance Sold	Quantity (Kg)	Address	Mobile	Email

- If the controlled substance is imported under special exemptions of the Montreal Protocol Policy Order for Pakistan 2023, please provide the following information. *(attach documents that prove approval of exemption & attach additional pages if required)*

S.#	Nature of Use	Quantity used in previous year (Kg)	Quantity held in stock (Kg)	Quantity imported currently (Kg)

**D. Manufacturer used Controlled Substance/Alternatives to HFCs in their manufacturing facilities**

- If the controlled substance is used for manufacturing, please provide the following data of the recipient of the imported controlled substance. *(attach additional pages if required)*

Please complete the following table, as applicable, of equipment or product manufactured using HCFCs, HFCs or alternatives to HFCs in the last calendar year along-with chemical & commercial name of the controlled substance in the equipment/product, quantity of controlled substance in each equipment/product, number of units of equipment/product, product, brand name and model number of equipment? *(attach additional pages if required or if other equipment/product is imported)*

Equipment/Product	Substance Used in Equipment/Product	Quantity of Substance (Kg)	No. of Units Manufactures	Exported / Sale to Local Market	Brand Name & Model
Automobile/bus conditioning unit					
Marine & Transportation Refrigeration					
Refrigerator					
Freezer					
Chiller					
Dehumidifier					
Water Cooler					
Ice Machines					
Display Cabinet					
Cold Storage System					
Air-Conditioning					
Heat Pump Unit					
Dry-cleaning machine					
Fire-extinguisher					

- For further elaboration, please provide the number of units containing controlled substance or alternatives to HFCs manufactured in the following table. *(if any other substance/size is used, fill accordingly)*

Sub Sector	No. of Units Manufactured based on Controlled Substance											
	R-134a	R-600a	R-290	R-22	R-410	R-32	R-404a	R-407C	CO <sub>2</sub>	R-717	R-507	Others
Domestic Refrigerators												
Domestic Freezers												
Commercial Refrigerators												
Commercial Freezers												
Large Commercial Refrigerators												
Industrial Refrigerators System												
Transport Refrigerators System												
<b>Domestic Air Conditioners</b>												
- 1 ton												
- 1 1/2 ton												
- 2 ton												
- Free Standing 2 1/2 ton												
- Free Standing 3 ton												
- Free Standing 4 ton												
Any other size												
<b>Commercial Air Conditioners</b>												
Split Ducted												
Packaged unit												
Chiller												

Sub Sector	No. of Units Manufactured based on Controlled Substance											
	R-134a	R-600a	R-290	R-22	R-410	R-32	R-404a	R-407C	CO <sub>2</sub>	R-717	R-507	Others
Any other type												
Mobile ACs in Cars												
Mobile ACs in Buses												
Mobile ACs in Jeep, Support Utilities												

- For further elaboration, please provide the total quantity in KGs containing controlled substance or alternatives to HFCs manufactured in the following table. *(if any other substance/size is used, fill accordingly)*

Sub Sector	Total Quantity of Controlled Substance in KGs											
	R-134a	R-600a	R-290	R-22	R-410	R-32	R-404a	R-407C	CO <sub>2</sub>	R-717	R-507	Others
Domestic Refrigerators												
Domestic Freezers												
Commercial Refrigerators												
Commercial Freezers												
Large Commercial Refrigerators												
Industrial Refrigerators System												
Transport Refrigerators System												
<b>Domestic Air Conditioners</b>												
- 1 ton												
- 1 1/2 ton												
- 2 ton												
- Free Standing 2 1/2 ton												
- Free Standing 3 ton												
- Free Standing 4 ton												
Any other size												
<b>Commercial Air Conditioners</b>												
Split Ducted												
Packaged unit												
Chiller												
Any other type												
Mobile ACs in Cars												
Mobile ACs in Buses												
Mobile ACs in Jeep, Support Utilities												

**E. Declaration**

By signing this report, I/we hereby declare that I/we are the person responsible for reporting the imported/manufactured controlled substance and that all information provided in this report are true and correct.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Company Stamp *(if applicable)*



## APPENDIX-J

### **ANNUAL REPORT ON IMPORT OF PRODUCT OR EQUIPMENT RELYING ON CONTROLLED SUBSTANCE OR ALTERNATIVES TO HFCS**

#### **General Instructions**

1. This reporting template is to be used by the importer of equipment or product containing or relying on Controlled Substances or alternatives to HFCs.
2. The annual reporting is compulsory as per the reporting obligations of Montreal Protocol Policy Order for Pakistan 2023 and the report is to be submitted by importer of product or equipment relying on Controlled Substances or alternatives to HFCs no later than end of January. (e.g., if current year is 2023, report is to be submitted by 31 January 2024)
3. The list of Controlled Substance is included in Montreal Protocol Policy Order for Pakistan 2023
4. The National Ozone Unit may ask for additional documents, information or clarification on need basis.
5. If false or misleading information is submitted by importer/exporter, the National Ozone Unit may impose penalties based on its decision.
6. Failure to comply by the reporting obligations as laid out in Montreal Protocol Policy Order for Pakistan 2023 may result in penalties or even permanent revocation of import/manufacturing authorization based on decision of National Ozone Unit.
7. It is mandatory for importer/exporter of controlled substance to maintain records of trade of controlled substances for at least 5 years after the record is made.
8. The importer can attach additional sheets of paper and information in order to provide further clarity and assist in the annual report evaluation process.
9. The report has to be completely filled and signed in order for it to be considered complete. Incomplete reports shall not be accepted and it is the duty of importer to ensure that the report submitted is complete.
10. If incomplete or wrong data is in the report after submission to NOU, the importer must notify the National Ozone Unit immediately.
11. If import of product or equipment relying on Controlled Substances or alternatives to HFCs is carried out under any exemptions of the Montreal Protocol Policy Order for Pakistan 2023, it is mandatory that the importer submits evidence and supporting documents of exemption approval with this report.
12. The data reported in kilograms of controlled substances must be up to 2 decimal places.
13. The importer of controlled substance has to submit the reports both via email and as paper application to the following:

**National Ozone Unit, Ministry of Climate Change  
and Environmental Coordination  
Government of Pakistan  
Office 18, 2<sup>nd</sup> Floor, Executive Complex  
G-8 Markaz, Islamabad  
Tel: 051-9260686  
Fax: 051-9107707  
Email: [info@nou.gov.pk](mailto:info@nou.gov.pk)**



## Annual Report Template on Import of Product or Equipment relying on Controlled Substances or Alternatives to HFCs

### A. Applicant Data

Business/Trader Name: \_\_\_\_\_

Business Type: Industry  Commercial Trader  Other(*please specify*): \_\_\_\_\_

Address: \_\_\_\_\_

Mobile: \_\_\_\_\_ Email: \_\_\_\_\_

National Tax Number: \_\_\_\_\_ PSW ID(s): \_\_\_\_\_

- Which of the following activities have you/your business carried out on equipment or products containing or relying on controlled substances or alternatives to HFCs?

Import  Export

### B. Import of Equipment/Product containing or relying on controlled substance Information

- Please complete the following table, as applicable, of equipment or product containing or relying on controlled substances or alternatives to HFCs that you/your business has imported in the last calendar year along-with chemical & commercial name of the controlled substance in the equipment/product, quantity of controlled substance in each equipment/product, number of units of equipment/product, exporting country of imported equipment/product, brand name and model number of imported equipment? (*attach additional pages if required or if other equipment/product is imported*)

Equipment/Product	Substance in Equipment/Product	Quantity of Substance (Kg)	No. of Units Imported	Country Imported from & Country of Production	Brand Name & Model
Automobile/bus conditioning unit					
Marine & Transportation Refrigeration					
Refrigerator					
Freezer					
Chiller					
Dehumidifier					
Water Cooler					
Ice Machines					
Display Cabinet					
Cold Storage System					
Air-Conditioning					
Heat Pump Unit					
Dry-cleaning machine					
Fire-extinguisher					



- For further elaboration, please provide the number of units containing controlled substance or alternatives to HFCs imported in the following table. *(if any other substance/size is used, fill accordingly)*

Sub Sector	No. of Units Imported based on Controlled Substance											
	R-134a	R-600a	R-290	R-22	R-410	R-32	R-404a	R-407C	CO <sub>2</sub>	R-717	R-507	Others
Domestic Refrigerators												
Domestic Freezers												
Commercial Refrigerators												
Commercial Freezers												
Large Commercial Refrigerators												
Industrial Refrigerators System												
Transport Refrigerators System												
<b>Domestic Air Conditioners</b>												
- 1 ton												
- 1 1/2 ton												
- 2 ton												
- Free Standing 2 1/2 ton												
- Free Standing 3 ton												
- Free Standing 4 ton												
Any other size												
<b>Commercial Air Conditioners</b>												
Split Ducted												
Packaged unit												
Chiller												
Any other type												
Mobile ACs in Cars												
Mobile ACs in Buses												
Mobile ACs in Jeep, Support Utilities												

- For further elaboration, please provide the total quantity in KGs containing controlled substance or alternatives to HFCs imported in the following table. *(if any other substance/size is used, fill accordingly)*

Sub Sector	Total Quantity of Controlled Substance in KGs											
	R-134a	R-600a	R-290	R-22	R-410	R-32	R-404a	R-407C	CO <sub>2</sub>	R-717	R-507	Others
Domestic Refrigerators												
Domestic Freezers												
Commercial Refrigerators												
Commercial Freezers												

Sub Sector	Total Quantity of Controlled Substance in KGs											
	R-134a	R-600a	R-290	R-22	R-410	R-32	R-404a	R-407C	CO <sub>2</sub>	R-717	R-507	Others
Large Commercial Refrigerators												
Industrial Refrigerators System												
Transport Refrigerators System												
<b>Domestic Air Conditioners</b>												
- 1 ton												
- 1 1/2 ton												
- 2 ton												
- Free Standing 2 1/2 ton												
- Free Standing 3 ton												
- Free Standing 4 ton												
Any other size												
<b>Commercial Air Conditioners</b>												
Split Ducted												
Packaged unit												
Chiller												
Any other type												
Mobile ACs in Cars												
Mobile ACs in Buses												
Mobile ACs in Jeep, Support Utilities												

- Please provide the following data of recipient of the imported equipment/product containing or relying on controlled substances or alternatives to HFCs. (attach additional pages if required)

S.#	Buyer Name	Equipment Sold & Brand Name	Quantity of substance (Kg)	No. of Units sold	Address	Mobile	Email

- Please provide the following documents of imported equipment/product containing or relying on controlled substances or alternatives to HFCs?

1. Standard Certificate
2. Catalogue/brochure of the product
3. Picture of the product label

- If equipment or product containing or relying on controlled substance is imported under any exemptions of the Montreal Protocol Policy Order of Pakistan, please identify the equipment/product imported along with substance chemical name and quantity? (attach supporting documents of exemption approval)

---

**C. Declaration**

By signing this report, I/we hereby declare that I/we are the person responsible for reporting the imported/exported controlled substance and that all information provided in this report are true and correct.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Company Stamp *(if applicable)*