HCFC Phase-out Management Plan for Iran

What is the project about:

The project main target is to phase-down and ultimately phase-out the use in Iran of HCFCs (hydrochlorofluorocarbons) to comply with the Montreal Protocol’s controlling targets through a harmonized national strategy. Iran does not produce any HCFCs. However, Iran does import HCFCs for various industrial uses and as a Party to the Montreal Protocol, Iran must incrementally decrease HCFC consumption culminating in a complete HCFC phase-out in 2030.

HCFCs are widely used in the refrigeration, foam, solvent, aerosol and firefighting sectors as a transitional substance to substitute CFCs. HCFCs are also used as feedstock (raw material) in the production for other chemical products.

HCFCs were introduced in the 1990s as alternative chemicals for CFCs and added to the list of substances controlled by the Montreal Protocol. It was acknowledged at the time that these chemicals, with considerably lower Ozone Depleting Potentials (ODP), were transitional and their production and consumption was also to be phased-out under the Montreal Protocol. Although having considerably lower ozone depleting potentials than CFCs, many HCFCs have high global warming potentials, of up to 2000 times that of carbon dioxide.

The Multilateral Fund (MLF) for the Implementation of the Montreal Protocol provides funds to help developing countries comply with their obligations under the Protocol to phase-out the use of ODS at an agreed schedule. The MLF was established by the London Amendment to the Montreal Protocol in 1990.

What have we accomplished so far:

Achievement of Iran’s HCFC compliance targets: freeze at baseline consumption level (380.5 ODP tons) by 2013 and 10% reduction of the baseline (342.5 ODP tons) by 2015.
Technology transfer through conversion projects in HCFC-consuming sectors including projects in residential-air conditioners, foam and refrigeration sectors and providing training in the servicing sector resulting in the phase-out of about 164 ODP tons of HCFCs.

Establishing and enforcement of a national licensing and quota system under the Montreal Protocol’s commitments to control and reduce consumption of HCFCs.

Several training and awareness workshops have been held to train technicians on good practices in the refrigeration and air–conditioning sectors.

Approval of HCFCs phase-out Management Plan (HPMP) second and final stage to reduce 162 ODP tons of HCFCs.

Who finances the project:

| The Multilateral Fund (MLF) for Implementation of Montreal Protocol | US $4,600,000 |