



**TOGETHER**  
*for a sustainable future*

## OCCASION

This publication has been made available to the public on the occasion of the 50<sup>th</sup> anniversary of the United Nations Industrial Development Organisation.



**TOGETHER**  
*for a sustainable future*

## DISCLAIMER

This document has been produced without formal United Nations editing. The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations Industrial Development Organization (UNIDO) concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries, or its economic system or degree of development. Designations such as “developed”, “industrialized” and “developing” are intended for statistical convenience and do not necessarily express a judgment about the stage reached by a particular country or area in the development process. Mention of firm names or commercial products does not constitute an endorsement by UNIDO.

## FAIR USE POLICY

Any part of this publication may be quoted and referenced for educational and research purposes without additional permission from UNIDO. However, those who make use of quoting and referencing this publication are requested to follow the Fair Use Policy of giving due credit to UNIDO.

## CONTACT

Please contact [publications@unido.org](mailto:publications@unido.org) for further information concerning UNIDO publications.

For more information about UNIDO, please visit us at [www.unido.org](http://www.unido.org)

22897

**STATUS REP. GROUP I**  
**Dec. 2002**

Project No. Project Title	Status	Comments
<b>Iran</b>		
<b>MP / IRA / 94 / 403</b>  Conversion of domestic refrigerator production facilities to phase out CFC-12 and CFC-11 (First Group)	Project approved at the 11 <sup>th</sup> ExCom.  Completed	<b>Status: C</b> Iran Pouya complain that Perros does not response to their problems
	Completed	
<b>MP / IRA / 96 / 041</b> Conversion of domestic refrigerator production facilities to phase out CFC-12 and CFC-11 ( 2nd group)	Project approved at the 18 <sup>th</sup> ExCom. Completed for all 6 companies.	<b>Status: C</b>
	I.O.C was used for supplying safety equipment	

<b>Project No. Project Title</b>	<b>Status</b>	<b>Comments</b>
<p><b>MP / IRA / 97 / 085</b> Phasing out of CFC-11 from flexible Slabstock Foam Manufacturing at SAFOAM Co.</p>	<p>Project approved at the 22<sup>nd</sup> ExCom. training was held in 5-11 Oct. at Hennecke Installation completed, Commissioning of the equipment successfully completed .</p>	<p>Trial Production Completed. Mass Production on going.</p>
<p><b>MP / IRA / 97 / 086</b> Phasing out of CFC-11 from flexible Slabstock Foam Manufacturing at SHIZAR Co.</p>	<p>Project approved at the 22<sup>nd</sup> ExCom. training was held in 5-11 Oct. at Hennecke Due to order of new conveyer. The new conveyer will be installed at the latest date of 26.03.2003. The installation of the conveyer requires one month, it is recommended Hennecke,s technician to be present during the last two weeks of installation of conveyer equipment at Shizar.</p>	<p>Status: Ongoing</p>
<p><b>MP / IRA / 97 / 165</b> Phasing out of CFC-11 from flexible Slabstock Foam Manufacturing at Mashhad Foam</p>	<p>Project approved at the 23<sup>rd</sup> ExCom. Project approved at the 22<sup>nd</sup> ExCom. training was held in 5-11 Oct. at Hennecke Due to preparation of site. In spite of the fact that temporary the problem of electricity supply can be solved. To start smooth installation, it is recommended that Hennecke`s technicians visit Mashad Foam on 3<sup>rd</sup> May 2003 to complete the installation and commissioning. The required electricity will be available from 5<sup>th</sup> April 2003. Necessary arrangement is made locally to make sure, that the sites are prepared, chemicals available for commissioning process.</p>	<p>Status: Ongoing</p>

<b>Project No. Project Title</b>	<b>Part</b>	<b>Status</b>	<b>Comments</b>
<b>MP / IRA / 97 / 196</b> <b>Conversion of</b> <b>Commercial refrigerator</b> <b>production facilities to</b> <b>phase out CFC-12 and</b> <b>CFC-11</b> <b>Electro Steel Co.</b>	Ref. Part	Project approved at the 23 <sup>rd</sup> ExCom.  Completed	PCR submitted to secretariat in June 2001.  The old equipment replaced by MFMP should be destroyed
	Foam Part	Waiting for OMS to complete commissioning and organize TUV visit Cyclopentane in drums are ready to be used as blowing agent	
	I.O.C.	I.O.C. paid	

<b>Project No. Project Title</b>	<b>Part</b>	<b>Status</b>	<b>Comments</b>
<b>MP / IRA / 97 / 197</b> Conversion of Commercial refrigerator production facilities to phase out CFC-12 and CFC-11 Zagross II Co.	Ref. Part	Project approved at the 23 <sup>rd</sup> ExCom.  Completed	Status: Ongoing Financial completion should be initiated end of 2001.
	Foam Part	Since 18 month waiting for Perros technician to finalise the commissioning of the foaming equipment and TUV inspection. Perross delegates has paid a visit to Zagross II to assess the situation of the project. The responsibiliye of the counterpart and the foam contractor have been clearly defined on presence of UNIDO rep. at Zagross II premises. Completion of commissioning is pending due to completion of outstanding tasks by the foam contractor.	PCR submitted to secretariat in June 2001.  The old equipment replaced by MFMP should be destroyed
<b>MP / IRA / 98 / 086</b> Replacement of CFC-11 Foam Blowing Agent with HCFC-141b and CFC-12 Refrigerant with HFC-134a in Manufacture of Commercial Refrigeration equipment at Sobouh	Project approved at the 26 <sup>th</sup> ExCom.  Completed	Status: C	
<b>MP / IRA / 98 / 087</b> Replacement of CFC-11 Foam Blowing Agent with HCFC-141b and CFC-12 Refrigerant with HFC-134a in Manufacture of Commercial Refrigeration equipment at Yazd Arg Metal	Project approved at the 26 <sup>th</sup> ExCom.  Completed	Status: C  PCR submitted to secretariat in February 2001.	

<b>Project No. Project Title</b>	<b>Part</b>	<b>Status</b>	<b>Comments</b>
<b>MP / IRA / 99 / 077</b> Phasing out ODS in Manufacturing of flexible PU slabstock foam through the use of liquid CO <sub>2</sub> blowing technology at Bahman Plastic Co.	Foam	Project approved at the 28 <sup>th</sup> ExCom.  Equipment cleared from customs, the counterpart is committed to stop the production by the second week of March 2003, and the old equipment to be moved and installed at new site by 14 <sup>th</sup> of April 2003 the production at new site by old machine should be started by 10 <sup>th</sup> May 2003. The foam contractor will visit Iran to start with the commissioning on 10 <sup>th</sup> May 2003.	Status: Ongoing
<b>MP / IRA / 99 / 109</b> Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the Manufacture of Domestic and Commercial Refrigeration at the Sherkate Sanayee Emerson (Emerson Co.)		Project approved at the 28 <sup>th</sup> Excom	Status: Ongoing  PCR submission to Secretariat in process
		Completed	
<b>MP / IRA / 99 / 110</b> Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the Manufacture of Domestic and Commercial Refrigeration at the Sherkate Broudati Ghandil Iran (Ghandil)		Project approved at the 28 <sup>th</sup> ExCom.	Status: Ongoing  PCR submission to Secretariat in process
		Completed	
<b>MP / IRA / 99 / 121</b> Replacement of CFC-12 as refrigerant by HFC-134a at Iran Compressor Manufacturing Company (ICMC)	Ref. Part	6 models of compressor developed and manufactured. The equipment for the first phase is delivered. The scope of work for phase 2 is under consideration.  Washing machine installed, Waiting for space part. Welding Machine is still not received	Status: Ongoing

<b>Project No. Project Title</b>	<b>Part</b>	<b>Status</b>	<b>Comments</b>
<b>MP / IRA / 99 / 122</b> Phasing out of CFC-11 by conversion to HCFC-141b and CFC-12 to HFC-134a in Manufacture of Commercial Refrigeration at the second group of Iranian Commercial Refrigerator Manufacturers (Aalisard, Pardis, Mohebi, Jalalzadeh, Meibod Tagarg in Yazd province and Shahab Co. in the Isfahan province of Iran)		Project approved at the 28 <sup>th</sup> ExCom.  Completed	Status: Ongoing  PCR submitted to Secretariat
<b>MP / IRA / 99 / 161</b> Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of domestic and commercial refrigeration at the Sherkate Sanaayee Toulidy Bard Co.		Project approved at the 29 <sup>th</sup> ExCom.  Completed	Status: Ongoing  PCR submission to Secretariat in process
<b>MP / IRA / 99 / 162</b> Conversion form CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of domestic and commercial refrigeration at the Forouzan Yakhchal Company (Forouzan Ref. Co.)		Project approved at the 29 <sup>th</sup> ExCom.  Completed	Status: Ongoing  PCR submission to Secretariat in process

<b>Project No. Project Title</b>	<b>Part</b>	<b>Status</b>	<b>Comments</b>
<b>MP / IRA / 99 / 163</b> Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC-134a technology in the manufacture of domestic and commercial refrigeration at the Minavand Refrigeration Company.		Project approved at the 29 <sup>th</sup> ExCom.  Completed	Status: Ongoing  PCR submission to Secretariat in process
<b>MP / IRA / 99 / 164</b> Conversion from CFC-11 to HCFC-141b and CFC-12 to HFC 134a technology in the manufacture of domestic and commercial refrigeration at the Saiwan Sannat Co.		Project approved at the 29 <sup>th</sup> ExCom.  Completed.	Status: Ongoing  PCR submission to Secretariat in process
<b>MP / IRA / 00 / 111</b> Conversion from CFC-11 foam blowing agent to HCFC-141 b and from CFC-12 refrigerant to HFC-134a In the manufacture of commercial refrigeration at the Himalia and Barez Himalia Companies		Project approved at the 31 <sup>st</sup> ExCom.  Completed	Status:Ongoing  PCR preparation in process



<b>Project No. Project Title</b>	<b>Part</b>	<b>Status</b>	<b>Comments</b>
<b>MP / IRA / 01 / 133</b> Conversion from CFC-11 to HCFC-141b & CFC-12 to HFC-134a in the manufacture of domestic & commercial refrigeration equipment at the Novin Enjemad	Ref. Part	Project approved at the 34 <sup>th</sup> ExCom Prototypes developed and manufactured, refrigerant equipment installed and commissioned. (P.O. no. 05-1-46220Y)	Status: Ongoing
	Foam Part	Contract awarded to Cannon Afros (Contr. No. 02/003 – 16000003) Foaming equipment cleared from Customs Waiting for installation & commissioning training was held in Oct.2002 at Cannon Afros	
	I.O.C.	I.O.C. not paid	
<b>MP / IRA / 01 / 134</b> Conversion from CFC-11 to HCFC-141b & CFC-12 to HFC-134a in the manufacture of commercial refrigeration equipment at the Takran Mobbared Co.	Ref. Part	Project approved at the 34 <sup>th</sup> ExCom  Prototypes developed and manufactured, refrigerant equipment installed and commissioned. received (P.O. no. 05-1-46221Y)	Status: Ongoing
	Foam Part	Contract awarded to Cannon Afros (Contr. No. 02/004 – 16000004) training was held in Oct.2002 at Cannon Afros. Foaming equipment has been successfully installed	
	I.O.C.	I.O.C. not paid	
<b>MP / IRA / 01 / 137</b> Conversion from CFC-11 to HCFC-141b & CFC-12 to HFC-134a in the manufacture of domestic & commercial refrigeration equipment at the Arjah Boroudat	Ref. Part	Project approved at the 34 <sup>th</sup> ExCom Prototypes developed and manufactured, refrigerant equipment installed and commissioned. (P.O. no. 05-1-46222Y)	Status: Ongoing
	Foam Part	Contract awarded to Hennecke (Contr. No. 02/005 – 16000023) Foaming equipment cleared from Customs Waiting for installation & commissioning .	
	I.O.C.	I.O.C. not paid	

<b>Project No. Project Title</b>	<b>Part</b>	<b>Status</b>	<b>Comments</b>
<b>MP / IRA / 01 / 138</b> Conversion from CFC-11 to HCFC-141b & CFC-12 to HFC-134a in the manufacture of domestic & commercial refrigeration equipment at Zarifan Mashad	Ref. Part	Project approved at the 34 <sup>th</sup> ExCom Prototypes developed and manufactured, refrigerant equipment installed and commissioned. (P.O. no. 05-1-46223Y)	Status: Ongoing
	Foam Part	Contract awarded to Hennecke (Contr. No. 02/006 – 16000022) Foaming equipment cleared from Customs Waiting for installation & commissioning.	
	I.O.C.	I.O.C. not paid	
<b>MP / IRA / 01 / 139</b> Conversion from CFC-11 to HCFC-141b & CFC-12 to HFC-134a in the manufacture of domestic & commercial refrigeration equipment at the Tehran Shirak	Ref. Part	Project approved at the 34 <sup>th</sup> ExCom Prototypes developed and manufactured, refrigerant equipment installed and commissioned. (P.O. no. 05-1-46224Y)	Status: Ongoing
	Foam Part	Contract awarded to Cannon Afros. (Contr. No. 02/007 – 16000005) Foaming equipment cleared from Customs Waiting for installation & commissioning training was held in Oct.2002 at Cannon Afros	
	I.O.C.	I.O.C. not paid	
<b>MP / IRA / 01 / 140</b> Conversion from CFC-11 to HCFC-141b & CFC-12 to HFC-134a in the manufacture of domestic & commercial refrigeration equipment at the Avaj Sarma Co.	Ref. Part	Project approved at the 34 <sup>th</sup> ExCom Prototypes developed and manufactured, refrigerant equipment installed and commissioned. (P.O. no. 05-1-46225Y)	Status: Ongoing
	Foam Part	Contract awarded to Hennecke. (Contr. No. 01/297 – 05-1-46244) Foaming equipment cleared from Customs Waiting for installation & commissioning.	
	I.O.C.	I.O.C. not paid	
<b>MP / IRA / 01 / 141</b> Conversion from CFC-11 to HCFC-141b & CFC-12 to HFC-134a in the manufacture of commercial refrigeration equipment at the Gasso Co.	Ref. Part	Project approved at the 34 <sup>th</sup> ExCom Prototypes developed and manufactured, refrigerant equipment installed and commissioned. (P.O. no. 05-1-46226Y)	Status: Ongoing
	Foam Part	Contract awarded to Hennecke. (Contr. No. 02/010 – 16000025) Foaming equipment cleared from Customs Waiting for installation & commissioning.	
	I.O.C.	I.O.C. not paid	

<b>Project No. Project Title</b>	<b>Part</b>	<b>Status</b>	<b>Comments</b>
<b>MP / IRA / 01 / 143</b> Conversion from CFC-11 to HCFC-141b & CFC-12 to HFC-134a in the manufacture of domestic & commercial refrigeration equipment at the Donyaye Mojdeh	Ref. Part	Project approved at the 34 <sup>th</sup> ExCom Prototypes developed and manufactured, refrigerant equipment installed and commissioned. (P.O. no. 05-1-46227Y)	Status: Ongoing
	Foam Part	Contract awarded to Hennecke. (Contr. No. 02/009 – 16000024) Foaming equipment cleared from Customs Waiting for installation & commissioning .	
	I.O.C.	I.O.C. not paid	
<b>MP / IRA / 01 / 145</b> Conversion from CFC-11 to HCFC-141b & CFC-12 to HFC-134a in the manufacture of domestic & commercial refrigeration equipment at the Roshan Industrial Group	Ref. Part	Project approved at the 34 <sup>th</sup> ExCom Prototypes developed and manufactured, refrigerant equipment installed and commissioned. (P.O. no. 05-1-46228Y)	Status: Ongoing
	Foam Part	Contract awarded to Cannon Afros. (Contr. No. 02/008 – 16000006) Foaming equipment cleared from Customs Waiting for installation & commissioning training was held in Oct.2002 at Cannon Afros .	
	I.O.C.	I.O.C. not paid	