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Sahandmina Engineering Company Ltd.

Reg. 145432

A Green Company for our Environment

**Final Status Report
December 2003
Contract Number 02/082**

Project No. Project Title	Part	Status	Remarks
MP / IRA / 01 / 133 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 th ExCom Completed	Ongoing
	Foam Part	Installation completed. Trial production in Process, ABS sheet provided for inner liner	
	I.O.C.	I.O.C. payment in process	
MP / IRA / 01 / 134 Conversion from CFC-11 to HCFC-141b & CFC-12 to HFC-134a in the manufacture of commercial refrigeration equipment at the Takran Mobbarad Co.	Ref. Part	Project approved at the 34 th ExCom Completed	Ongoing
	Foam Part	Equipment delivered and cleared from customs, installation completed. Trial production in Process . ABS sheet provided for inner liner	
	I.O.C.	I.O.C. paid	
MP / IRA / 01 / 137 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 th ExCom Completed	Ongoing
	Foam Part	Equipment delivered and cleared from customs, waiting for install. and commissioning	
	I.O.C.	I.O.C. not paid	



Sahandmina Engineering Company Ltd.

Reg. 145432

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Project No. Project Title	Part	Status	Remarks
MP / IRA / 01 / 138 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 th ExCom	Ongoing
	Foam Part	installation completed. Trial production in Process . ABS sheet provided for inner liner	
	I.O.C.	I.O.C. not paid	
MP / IRA / 01 / 139 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	Completed	Ongoing
	Foam Part	Equipment delivered and cleared from customs, installation completed. Trial production in Process ABS sheet provided for inner liner	
	I.O.C.	I.O.C. not paid	
MP / IRA / 01 / 140 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	Completed	Ongoing
	Foam Part	Installation completed. Trial production in Process . ABS sheet provided for inner liner.	
	I.O.C.	I.O.C. not paid	



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Reg. 145432

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Project No. Project Title	Part	Status	Remarks
MP / IRA / 01 / 141 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	Completed	Ongoing
	Foam Part	Installation completed. Trial production in Process . ABS sheet provided for inner liner.	
	I.O.C.	I.O.C. payment in process	
MP / IRA / 01 / 143 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	Completed	Ongoing
	Foam Part	The company is moved to the new site, the installation of new equipment will be carried out at new site.	
	I.O.C.	I.O.C. paid	
MP / IRA / 01 / 145 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	Completed	Ongoing
	Foam Part	Installation completed. Trial production in Process . ABS sheet provided for inner liner.	
	I.O.C.	I.O.C. not paid	



Sahandmina Engineering Company Ltd.

Reg. 145432

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Project No. Project Title	Part	Status	Remarks
Iran			
MP / IRA / 94 / 403 Conversion of domestic refrigerator production facilities to phase out CFC-12 and CFC-11 (First Group)		Project approved at the 11 th ExCom. Completed	completed
MP / IRA / 96 / 041 Conversion of domestic refrigerator production facilities to phase out CFC-12 and CFC-11 (2nd group)		Project approved at the 18 th ExCom. Completed	completed
	I.O.C.	I.O.C. not paid, instead nitrogen generators were purchased for all companies.	



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Reg. 145432

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Project No. Project Title	Part	Status	Remarks
MP / IRA / 97 / 085 Phasing out of CFC-11 from flexible Slabstock Foam Manufacturing at SAFOAM Co.	Foam	Project approved at the 22 nd ExCom. Completed	Completed
MP / IRA / 97 / 086 Phasing out of CFC-11 from flexible Slabstock Foam Manufacturing at SHIZAR Co.	Foam	Project approved at the 22 nd ExCom. Awaiting for Henecke technician to visit in Dec .for commissioning.	Ongoing
MP / IRA / 97 / 165 Phasing out of CFC-11 from flexible Slabstock Foam Manufacturing at Mashhad Foam	Foam	Project approved at the 23 rd ExCom. Necessary arrangement is made, chemicals available for commissioning process. Henecke technician are at site .for commissioning.	Ongoing
MP / IRA / 97 / 196 Conversion of Commercial refrigerator production facilities to phase out CFC-12 and CFC-11 Electro Steel Co.	Ref. Part	Project approved at the 23 rd ExCom. Completed	completed
	Foam Part	OMS Commissioned with Cyclopentane in drums . TUV visited in September the plant Cp tank rejected. Awaiting for OMS to repair the tank and train the people.	
	I.O.C.	I.O.C. paid	



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Reg. 145432

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MP / IRA / 97 / 197 Conversion of Commercial refrigerator production facilities to phase out CFC-12 and CFC-11 Zagross II Co.	Ref. Part	Project approved at the 23 rd ExCom. Completed	PCR submitted to secretariat in June 2001. The old equipment replaced by MFMP should be destroyed
	Foam Part	Zagross II prepared the site. QS is at site for Completion of commissioning .	
MP / IRA / 98 / 086 Replacement of CFC-11 Foam Blowing Agent with HCFC-141b and CFC-12 Refrigerant with HFC-134a in Manufacture of Commercial Refrigeration equipment at Sobouhi		Project approved at the 26 th ExCom. Completed	completed
MP / IRA / 98 / 087 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 th ExCom. Completed	completed



Sahandmina Engineering Company Ltd.

Reg. 145432

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Project No. Project Title	Part	Status	Remarks
MP / IRA / 99 / 077 Phasing out ODS in Manufacturing of flexible PU slabstock foam through the use of liquid CO ₂ blowing technology at Bahman Plastic Co.	Foam	Project approved at the 28 th ExCom. The counterpart is committed to move the equipment and install in new site. The company has the problem to move.	Ongoing
MP / IRA / 99 / 109 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 th ExCom. Completed	completed
MP / IRA / 99 / 110 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 th ExCom. Completed	completed
MP / IRA / 99 / 121 Replacement of CFC-12 as refrigerant by HFC-134a at Iran Compressor Manufacturing Company (ICMC)	Ref. Part	Project approved at the 28 th ExCom 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 spare part, Welding Machine is received but damaged.	Ongoing



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Reg. 145432

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Project No. Project Title	Part	Status	Remarks
MP / IRA / 99 / 122 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 th ExCom. Completed	completed PCR submitted
MP / IRA / 99 / 161 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 th ExCom. Completed	Ongoing PCR submitted
MP / IRA / 99 / 162 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 th ExCom. Completed	Ongoing PCR submitted



Sahandmina Engineering Company Ltd.

Reg. 145432

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Project No. Project Title	Part	Status	Remarks
MP / IRA / 99 / 163 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 th ExCom. Completed	Ongoing PCR submitted
MP / IRA / 99 / 164 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.	Ref. Part	Project approved at the 29 th ExCom. Completed	completed PCR submitted
	Foam Part	Completed	
	I.O.C.	Paid	
MP / IRA / 00 / 111 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	Ref. Part	Project approved at the 31 st ExCom. Completed	Ongoing PCR submitted
	Foam Part	Completed	
	I.O.C.	Paid	



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Recommendation

The status of companies show that more investigation and close contact should be accomplished in order to assure use of Ozone Friendly Substances in those enterprises, which the project is complete.

We recommend regular Ozone Office or UNIDO plan for a regular site visits to each companies.

We also recommend preparing a questionnaire form to evaluate the performance of contractor's equipment delivered to each company and their obligation for providing after sale services, because we are receiving many oral complains from enterprises, which they are not satisfied for the contractors after sale services.

Conclusion

According to our experience, dealing with the contractors and counterpart, it is very important to pay visit to the enterprise sites for insurance of using non ODS after completion of the project by a governmental element on a regular scheduled basis.

Kindest Regards

Sincerely yours
Sahandmina Engineering Co.

Managing Director