



TECHNICAL SPECIFICATIONS

HCFC PHASE-OUT MANAGEMENT PLAN

For the supply of refrigeration equipment and tools to training centers in The Islamic Republic of Iran, 150200-1-06-01

General Background Information and Objective of the Project

The HCFC Phase-out Management Plan (HPMP) for the Islamic Republic of Iran was approved in the 63rd Meeting of the Executive Committee of the Multilateral Fund held in April 2011 and revised at the 74th Meeting. The Agreement between the Government of the Islamic Republic of Iran and the Executive Committee of the Multilateral Fund for the reduction in consumption of Hydrochlorofluorocarbons in accordance with the stage II of the HCFC phase-out management plan was made at the 77th Meeting of the Executive Committee of the Multilateral Fund.

The Government of Iran proposes to use low GWP HC based technologies in foam sector wherever feasible. The Government after careful and thorough consultations with the industry recognizes the importance of safety while adopting flammable alternatives in different applications and in their strategy, would adopt measures to ensure that the alternatives are adopted in a safe manner.

Project Objective

The objective of this project is to assist the Government of the Islamic Republic of Iran to ensure the sustained reduction in the use of HCFCs in the refrigeration and air-conditioning manufacturing sector by facilitating access to information through extensive training activities so as to achieve the 75% reduction target by 2023 of the Montreal Protocol.

Expected Outcome

Provision of training equipment and educational aids to TVTO to a total of 6 centres: The costs of the equipment for the training centres have been approved for Stage II. While this equipment will be part of UNEP component, it will be procured by UNIDO on behalf of UNEP and the funding will be included in the UNIDO component:

The Scope of Supply

The following sets of machinery are required for distribution to service workshops:

Specification of Supply

UNIDO REQUIREMENTS			TO BE COMPLETED BY THE INVITEE			
Item	Name and required parameters	Quantity	Unit price	Total item price	Compliance*)	Remarks
		Quantities	Currency	Currency	Yes/no	

	I. Equipment, parts, supplies					
1	Lokring Pliers (MZ-V)	12				
2	Lokring Assembly Jaw MB 12 EVP 2x	12				
3	Lokring Assembly Jaw MB 16 EVP 2x	12				
4	Lokring 9-53 NK Ms 50	120				
5	Lokring 10 NK Ms 50	120				
6	Lokring 12 NK Ms 50	120				
7	Lokring 12-7 NK Ms 50	120				
8	Lokring 15 NK Ms 50	120				
9	Lokring 16 NK Ms 50	120				
10	Reinforcement sleeve 9.53 VH Ms 08	240				
11	Lokring 10VHMs08	240				
12	Lokring 12VHMs08	240				
13	Lokring Stabilisation Insert 12-7 VH Ms 10	240				
14	Lokring 15VHMs10	240				
15	Lokring Stabilisation Insert 16 VH Ms 10	240				
16	Exp tool set HD 3/8" ~ 1-5/8"	12				
17	Pre-filter for recovery units univ.	80				
18	Pressure gauge HP Value VRR units	18				
19	Pressure gauge LP Value VRR units	18				
20	Vacuum pump 198 lpm 7.0 cfm 230V 1/4" sparkless	21				
21	Fieldpiece Megger SMG5	21				
22	Gas detection portable Gasman LEL0-100% flamable	7				
23	Air conditioning Split Unit GSC 18 FG6	12				
24	Ground strap with coiled cord	14				
25	Earth bonding plug (SHUCO)	14				
	II. Installation, commissioning (if applicable)					
	SUB-TOTAL:					
	III. Cost of transportation					
	Desirable Incoterm: DAP If DAP cannot be offered, please indicate the offered incoterms and prices among EXT, DAT, and/or CIF. The selected supplier must be able to arrange the shipment of the equipment to Iran under the current US sanctions.					
	Please indicate if the shipment can be arranged under the current US sanctions (YES/NO)					
	IV. Cost of Insurance (if applicable)					

Not needed if a separate transport offer is not offered					
GRAND TOTAL:					

*) Compliance must be confirmed in detail by the supplier(s) offer and technical documentation and will be verified by UNIDO during technical evaluation; if not compliant with UNIDO parameters, the supplier(s) must indicate their parameters in the 'Remarks' column.

Guarantee Requirements

Warranty: must be for a minimum period of 1 year, starting from the date of the issuance of the Certificate of Inspection and Acceptance.

In case that the equipment will not comply with the technical specifications the Contractor shall repair/replace the tool until performance will meet the herein expressed guarantee within 3 months.

Delivery Period

The goods/equipment should be delivered immediately after contract countersignature and not later than 6 months from the date of the contract issuance.

Installation, Commissioning and Acceptance

Desirable Incoterm: DAP

The equipment shall be shipped to the following consignee who needs to receive/endorse shipping documents before the equipment shipping.

Consignee:

UNIDO Iran
 No.7, Nezami street,
 Ghoba Street, Shariati,
 Tehran
 P.O.BOX 1176- 19395
 IRAN (ISLAMIC REPUBLIC OF)

Telephone: +98 21 22793700
 FAX: +98 21 22793855

End User

Instructor Training and Technical-Vocational Research Center ,
 Tarbiat Morabi Blvd., Imam Reza Blvd., P.O.Box 951,
 Zip code 3149974115, Karaj
 IRAN (ISLAMIC REPUBLIC OF)

Tel: +98-26-32511922-3
 Fax: +98-26-3250553

More details will be provided upon signature on the purchase order contract. A certificate of acceptance signed by the end user and UNIDO and will need to be received by UNIDO before the final payment is processed.

Technical Evaluation Criteria

Compliance with the technical specification, warranty, and all other conditions described herein.