

Training of Trainers

on **“Good Service Practices and installation of Room Air-conditioners with HCFC-22 and Flammable Refrigerants”** for master trainers/instructors in Refrigeration and Air-conditioning (RAC) trade

Venue and organized by: Government Industrial Training Institute (ITI), Pusa, New Delhi, Government of India

Facilitated and Conducted by: GIZ Proklima India (part of HCFC Phase Out Management Plan (II), RAC Servicing Sector). **Lead by Mr. C.J.Mathew, Master Trainer and RAC technical expert to GIZ Proklima India/International.**

Dates: Monday, 21st October, 2024 to Friday, 25th October, 2024

Training Schedule

TIME	TOPIC
Day 1- Monday, 21st October, 2024	
0900 - 0930	Participant's Registration
0930- 1030	Inaugural Session by ITI Pusa, Delhi
<i>Break (Tea, Coffee, Water)</i>	
1100 - 1215	Impact of refrigerants on Environment Fundamentals of Air-conditioning
1215 - 1300	Introduction to RAC Tools and Equipment & Copper Tube Processing
1300 - 1330	Brazing
<i>Break (Lunch)</i>	
1415 – 1715 (tea break included)	Workshop practices-1 and 2 Copper tube process and Brazing
Day 2- Tuesday, 22nd October, 2024	
0900 - 0915	Recap of Day 1
0915 -1015	Pressure Measurements and effects of high altitude
1015 – 1100	Quality Installation of Split Air-conditioner with flammable refrigerants
<i>Break (Tea, Coffee, Water)</i>	
1115 - 1200	Good service practices of Room Air conditioners
1200 - 1245	Alternative refrigerants to HCFC – 22
1245 - 1315	Good service practices of Room Air conditioners with flammable refrigerants
<i>Break (Lunch)</i>	
1400 – 1700 (including tea break)	Workshop practice-2 Quality Installation of Split Air-conditioner with flammable refrigerants Report writing on respective workshop practices

TIME	TOPIC
Day 3-Wednesday, 23rd October, 2024	
0900 - 0915	Recap of Day 2
0915 -1000	Good service practices for energy efficient operation of room Air Conditioners
1000 -1330	Workshop practice-3 Good service practices of Room Air conditioners with flammable refrigerants
<i>Break (Lunch)</i>	
1415 – 1600 (including tea break)	Workshop practice-4 Good service practices of Room Air conditioners with non-flammable refrigerants Report writing on respective workshop practices
1600-1700	Behavioral and work ethic & Personal protective Equipment (PPE)
Day 4- Thursday, 24th October, 2024	
0900 - 0915	Recap of Day 3
0915 - 0945	Professional standards
0945 - 1015	Introduction to RAC Technician Certification process
1015 - 1145	Training Methodology
1145 - 1330	Written Assessment
<i>Break (Lunch)</i>	
1400	Close- upon request by ITI Pusa following Order from Delhi Government declaring half day holiday on account of Phoolwalon ki Sair procession
Day 5- Friday, 25th October, 2024	
0900 - 1100	Group Exercise 1 Presentations by Participants
1100 - 1330	Group Exercise 2 Presentations by Participants
<i>Break (Lunch)</i>	
1415 - 1615	Group Exercise 3 Presentations by Participants
1615 -1715	Feedback from Participants Concluding / Valedictory Session Group Photo