

FOAM SECTOR GROUP REQUIREMENT

S.No.	TENTATIVE DISCUSSION AGENDA	OUTCOME
1.	Convener for the Session Joint- Convener for the Session	Mr Mukesh Bhuta Mr Nandan Chirmule
2	Foam Sector Working Group	Foam Sector Stake Holder System Houses Domestic Refrigerator Commercial Refrigerator Sandwich Panels Thermowares Machinery Suppliers Blowing Agent Ozone Cell Representative
3.	Technology Trends	Appliance Domestic Hydrocarbons 245Fa Commercial Refrigeration Water Hydrocarbons 245Fa 365MFC 134a Methyl Formate Continuous Panels Hydrocarbons Discontinuous Panels 134a 245Fa 365 Methyl Formate Methylal Formic Acid

		<p>Thermoware</p> <p>Water Reduced 141b Water + HFCs</p> <p>General Insulation</p> <p>245Fa Methyl Formate Formic Acid</p> <p>Futuristic Blowing Agents</p> <p>Low GWP & Other Options</p>
4.	Survey	<p>There is a need for a fresh market survey to determine the fresh list of stakeholders in various foam sectors and determine quantity of consumption of HCFC and estimate it till 2012.</p>
5.	Level of Involvement	<p>There is a willingness on part of IPUA to participate in HCFC phase out program. level of involvement would be shared after discussion with the IPUA executive body</p>
6.	Recommended Approach	<p>The right approach for phase out of HCFC 141b from Indian foam sector can be as under:-</p> <ul style="list-style-type: none"> • Complete change over to long term blowing agent for large enterprises such as domestic refrigerators, continuous panels and other willing enterprises. • Partial production can be changed to alternative blowing agent where HCFC 141b can be phased out stepwise over a period of time. The recommended sectors could be large commercial refrigerator manufacturers and large-to- medium discontinuous panel manufacturers • Use reduced HCFC 141b systems where mixture of HCFC 141b with other alternative blowing agent may be used which can allow cut down of HCFC 141b phase wise this solution can be adopted for

		<p>SMEs.</p> <ul style="list-style-type: none"> • Explore possibilities of using next generation blowing agents coming in to the market • Demonstration projects to be recommended
7.	Need for Initial awareness	<p>IPUA suggests 5 to 6 workshops across various sectors. To enable this IPUA requests Ozone cell to create a pool of experts who can conduct these workshops.</p>
8.	Effective phase out programme	<p>For effective phase-out program the prioritization would be worked out after consulting relevant stakeholder and would be submitted later</p>
9.	Listing of activity	<p>Survey Report & Awareness Workshops would require initial expenses. The estimates would be submitted later.</p>
10.	Review of cost scenario	<p>IPUA would try to collect from stakeholders and will submit</p>
11	ODS Policies/Regulations	<p>Presently 141b is a controlled substance. Similarly polyol containing 141b should be brought under controlled substance category</p> <p>Explore possibility to simplify the advance license procedure for export of polyol containing 141b</p> <p>Policy to discourage use of 141b based production for new unit after cut-off date</p> <p>Standard generation / National Standards / Energy Ratings Identify specific projects for India</p>
12	ROADMAP FOR HPMP	<p>Complete Survey – Feb 2010 Awareness Workshop – Mar/Apr 2010 Final Sectoral report – May 2010s</p>

13	QUESTION RELATED TO COMMUNICATION	Has been discussed with TERI and is being prepared. Will be submitted at the end of this session.
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