

Maximising Climate Benefits: Enabling Simultaneous Efficiency and Refrigerant Transitions

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July 9, 2018,

Vienna, Austria



Decisions on Energy Efficiency



Kigali Decision on Energy Efficiency

Decision XXVIII/3 provides opportunity to enhance energy efficiency of appliances while phasing down HFC usage

TEAP report-Energy Efficiency



Need to maximize climate benefits



Energy Efficiency Within MLF

The decision identifies need to develop cost guidelines associated with maintaining or/and enhancing energy efficiency of replacement technology & equipment

GHG Impact of simultaneous action

100

Climate benefits of simultaneous action are more than quadrupled than either action taken in isolation

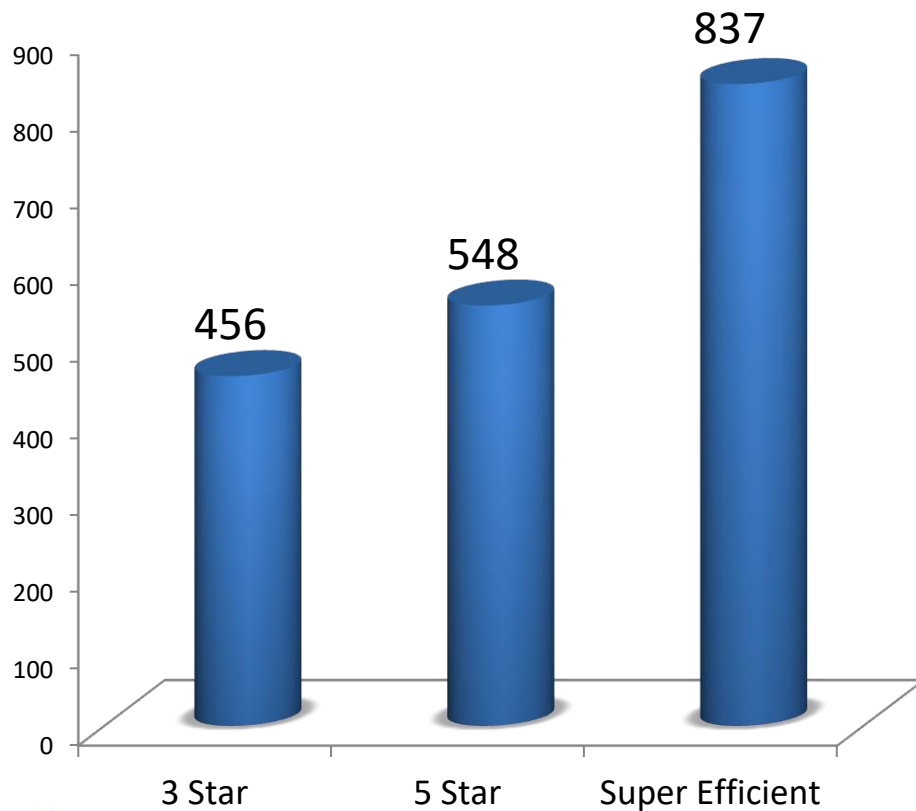
Importance of Energy Efficiency

Most Importantly

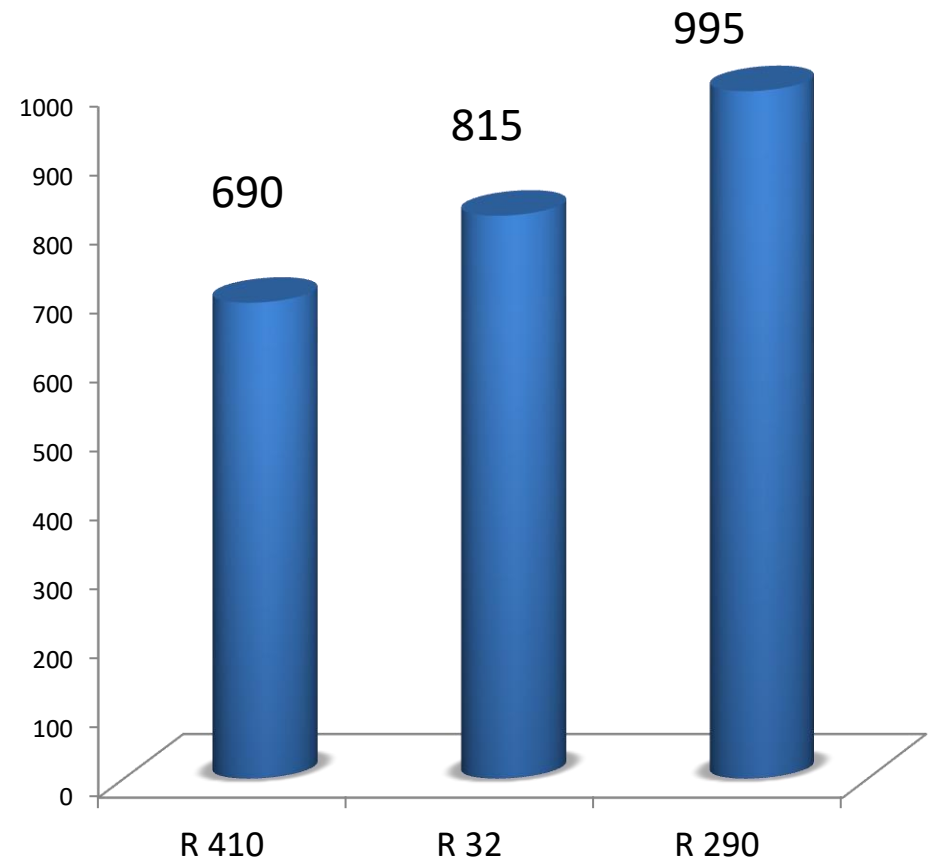
Simultaneously enhancing energy efficiency along with HFC transitions prevent lock-in to technologies that only maintain energy efficiency

Learning from the Indian Experience: the 'price hump'

**Price differential
between the Super Efficient AC &
Starred ACs**



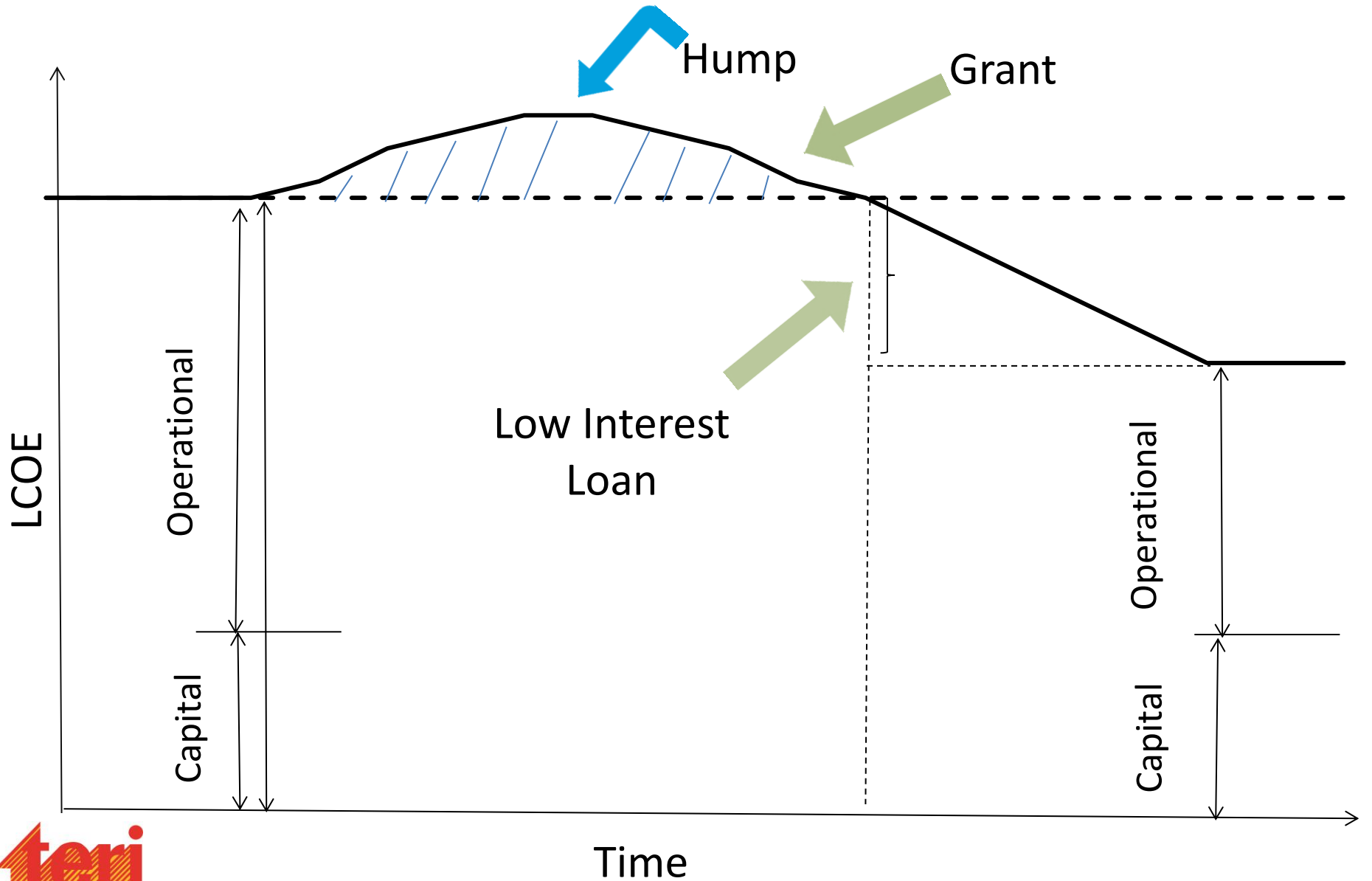
**Price differential between
the 3 bidders of India's bulk
procurement initiative**



■ Price (USD)

■ Price (USD)

Financial Challenge of the Transition



Instruments to achieve the targets



Policy &
Regulations

Financial
Models



Institutional
Strengthening

Innovative
Business
Models



Co-Benefits

Social

- Electricity Access
- Access to Cooling
- Health Benefits



Economic:

- Peak Demand reduction
- Enhanced Productivity
- Cost Saving for End Consumer

Takeaways

- Kigali Rules enable **maximizing climate benefits**
- For simultaneous energy efficiency enhancement & refrigerant transition, **price is the main barrier** to their **early adoption**
- **Low interest loans & grants** have been used to **alleviate this problem**

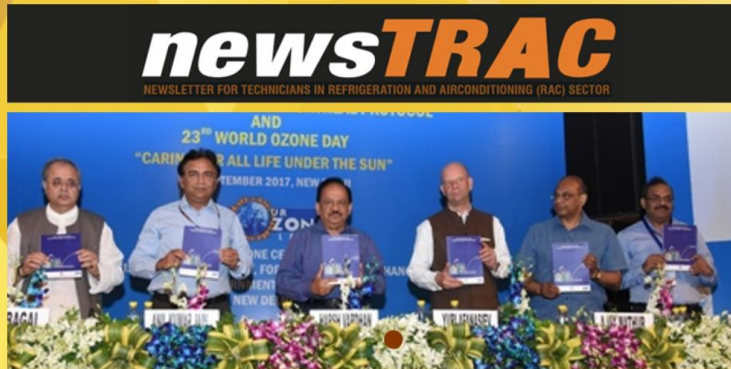
newsTRAC:

Addressing servicing sector needs

- As we move towards super-efficiency and new generation refrigerants, servicing sector needs become more pronounced
- Servicing sector professionals highlight lack of proper information on tools and tips for servicing new equipment and refrigerants as a major gap
- **newsTRAC** – a mobile app intends to bridge this gap

newsTRAC: the mobile application

- **newsTRAC** - a mobile based application will serve as a platform for the **servicing agent** in the field to **ask a question directly to the team of experts** either through a text based query or a picture.
- The query will be **addressed within the stipulated period of time** by our team of experts.



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Recent Discussions

 Ask a question



If I do not have recovery machine, how should I safely recover the refrigerant from AC?

Rajiv Kumar
Jul 5, 2018

3 Comments



What activities have been envisaged to further improve the technical knowledge of servicing technicians?

Suman Singh
Jul 5, 2018

2 Comments



newsTRAC Mobile App

newstrac
Jun 28, 2018



Discussion

If I do not have recovery machine, how should I safely recover the refrigerant from AC?

 Jul 5, 2018

 Rajiv Kumar

Comments:

Manjeet Singh

Thank you for your timely question. There are several ways to recover refrigerant without a machine. One is to close the service valve at the outlet of the condenser to the evaporator/cooling coil of the indoor unit. Then you start the compressor. This will enable transfer of the refrigerant from the indoor unit to the outdoor unit. The pump-down refrigerant is then reused.



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Newsletter for Technicians of Refrigerators and
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