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International Exhibition and  
Conference on Cold Chain,  
Industrial Refrigeration  
& Reefer Transportation

# THE SAGA OF EXCELLENCE CONTINUES...



## REFCOLD INDIA EMERSON AWARDS 2019



The first edition of the **REFCOLD INDIA EMERSON AWARDS** held at Gandhinagar in 2018 were a resounding success. The Awards were hailed as a watershed event to encourage and promote rising talent by the industry and the professionals alike.

ISHRAE is now proud to announce the launch of the second edition of the **REFCOLD INDIA EMERSON AWARDS**. The competition will be held in conjunction with the REFCOLD INDIA International Exhibition & Conference scheduled to be hosted at Hyderabad over 21 - 23 November, 2019.

## **REFCOLD INDIA EMERSON AWARDS: A MAGNET FOR THE INDUSTRY'S BEST MINDS**

REFCOLD INDIA EMERSON AWARDS - an annual award competition jointly instituted by ISHRAE along with Emerson, is seen by the talented professionals of the industry as a platform to achieve recognition and acclaim. In its short stint, it has come to be seen as a barometer for excellence and outstanding achievement in the Refrigeration and Cold Chain Industry. The award focuses on all facets of the industry ranging from refrigeration technologies & cold chain technologies to cold chain infrastructure related components like cold storage components, reefer trucks, IOT solutions, material handling systems etc.





## AWARD CATEGORIES:

*The REFCOLD INDIA Emerson Awards 2019 will have three Award categories this year. These will be*

1

### INNOVATIVE REFRIGERATION PLANTS / PROJECTS

- WINNER & RUNNERS UP

This award category is open for Refrigeration Projects/Plants that have been set up anywhere in India during the past 5 years.

2

### INNOVATIVE COLD CHAIN INFRASTRUCTURE PROJECTS

- WINNER & RUNNERS UP

This award category is focusing on projects which pertain to development of cold chain infrastructure such as pack houses, perishable processing centers, reefer vehicles, material handling, food tracing and IOT systems etc. (Not restricted to refrigeration systems)

3

### INNOVATIVE REFRIGERATION PRODUCTS

- WINNER & RUNNERS UP

The award category is for innovative refrigeration or non-refrigeration products either manufactured or imported into India and are commercially available in the country.



The following table gives a brief idea of the various applications (not limited to) that can be considered under each category:

Type of Nomination	Consideration Set (Not Restricted to List Below)
Refrigeration Plants / Projects	Ammonia/Freon Based Plants, Hybrid Plants (Ammonia + Glycol or Ammonia + CO2)
Cold Chain Infrastructure Projects	Pack houses, Speciality Docks (Receiving / Dispatch), Doors / Docking Systems, Solar/Rain Water Harvesting/Energy Sustenance Enhancements, Processing Halls/Packhouses, Reefer transport, Ripening Chambers, Innovative Business Models, Cold/Freezer Rooms, Blast Freezers etc
Refrigeration Products	Any Refrigeration or Non Refrigeration Product Used In Cold Chain

## NOMINATION FORM REFCOLD INDIA EMERSON AWARDS 2019

1. Name/Address:.....  
 .....  
 Mobile No. :.....Mail:.....

2. Award categories (tick applicable one)  
 Refrigeration Plant / Project   
 Cold Chain Infrastructure Project   
 Refrigeration Product   
 (One nomination per form, multiple nominations are allowed.)

3. Name of the Project/Product being nominated.....  
 .....

4. Site address of the Project / Product details  
 .....  
 .....

5. Have you obtained owners consent for making this nomination (Only for Project, not required for Product).....  
 .....

6. Please state why you consider this Project / Product worthy of the REFCOLD Emerson Award. (Explain by focusing on its Innovative nature, Technology used, Sustainability details. Please provide quantifiable details for jury evaluation in not more than 100 words each)

Breakthrough Idea.....  
 .....  
 .....  
 .....  
 Energy Efficiency .....  
 .....  
 .....  
 Environment Aspects & Sustainability.....  
 .....  
 .....  
 Cost of Ownership.....  
 .....  
 .....  
 .....  
 Date:..... Place:.....

Signature.....

Please download the editable Nomination Form from the website and e-mail the updated application to [refcoldemersonawards@ishraehq.in](mailto:refcoldemersonawards@ishraehq.in) or you can submit it online on [www.refcoldindia.com](http://www.refcoldindia.com) (If required, please use extra sheet & attach with the form)  
 Last date for submitting nominations: 30<sup>th</sup> June 2019

Note: Applicable Rules

1. Nomination can be sent by anyone who is familiar with the Project/Product being nominated.
2. The Project should be operational as on 1/05/2019 and the nominated Product should be commercially available in India as on 1/05/2019.
3. Owner's signed consent required for project nomination (Only for Project, not required for Product owners)
4. All categories will have a winner and a runners-up award.
5. All nominations received before 30/06/2019 will be reviewed by the Technical Committee. Shortlisted nominations will be required to submit a detailed application form for scrutiny by the Award Jury.
6. Decision of the Jury will be final and binding.
7. Any Project or Product connected with the Technical Committee / Jury will not be eligible for the award.
8. If required, applicants may need to share additional details with the Technical Committee / Jury over a telephone call or during a site visit. Any Project where owner refuses to share data or does not allow access for inspection will be automatically disqualified.
9. Winning entries from RefCold Emerson Awards 2018 cannot be resubmitted.

Winners will be felicitated at a grand award function during the RefCold India Expo, which is being organized at Hitex Exhibition Center, Hyderabad, over 21-23 November, 2019.

Please return duly filled form to:



NürnbergMesse India Pvt. Ltd.

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# INNOVATION AWARD EVALUATION CRITERIA

Refrigeration & Cold Chain Projects & Product categories will be assessed on the following criteria

## BREAKTHROUGH IDEA

This can be a project or a product. It could be an innovation that creates a breakthrough business model, or it could be a highly effective product of the kind not available in the market. It should help resolve a cold chain industry problem in a unique way or meet an unarticulated need. It could be in any field of the industry - a material handling process or an innovative safety measure. It should result in substantial savings in capital or operational or process costs and /or create a competitive advantage for the company and provide business benefits. Improvement in the products quality – touch, feel, shelf life, appearance can also be treated as an Innovation. Parameters could be - maintenance of right temperature, RH levels, specific gas emission levels (like Ethylene, CO2) and product quality.

## ENERGY EFFICIENCY

This ought to be a project design or product that is high on sustainability. Best practices exhibited such as use of renewable energy, intelligent and energy efficient technologies, capacity modulation will be benchmarked. The energy performance will need to be quantified against the best in its class i.e.–COP, Lifecycle Energy Costs, ROI etc.

## ENVIRONMENT ASPECTS & SUSTAINABILITY

For refrigeration plants and cold chain infrastructure projects, it is important to minimize usage of natural resources and reduce project's impact on the environment. Usage of eco-friendly refrigerants, innovative recycling technologies, lower carbon footprint, recyclability and low sound for acoustic quality will be some of the important elements that will be considered for both project and product categories.

## COST OF OWNERSHIP

Another important aspect is the project/ product's cost effectiveness, its scalability in implementing best technologies and its effect on the larger strata of population. The project will be evaluated against its life cycle cost, with preference given to the most reliable option that provides highest return on investment and optimum space utilization.

*The explanation given above is only a guideline, applicants are encouraged to provide additional information/ quantitative data depending on their nomination requirement.*



# THE PROCESS, SELECTION AND SHORT-LISTING

The awards will be bestowed upon the Project / Product that has demonstrated excellence by focusing on innovation, energy efficiency, best practices in cold chain perishable handling/storage, product quality and sustainability. In the process, these awards will help in showcasing a project or a product that sets benchmarks for the industry. The winners of the REFCOLD INDIA EMERSON AWARDS should have demonstrated excellence in the project or product categories by exceeding expectations in terms of performance, energy efficiency parameters & innovation. Each category will have a winner and a runners-up.

These will be selected by an eminent panel of independent jury members. There is a simple application form to be filled in. From the nominations received up to 30<sup>th</sup> June 2019, the Award recipient will be adjudged on

the basis of several parameters, which may involve a telephonic interview conducted by the RefCold Emerson Awards Technical committee.

It will shortlist eligible nominations for which more exhaustive data will be collected and these will be presented to the jury for selecting the Winner & Runner-up. In respect of projects, owner's consent to participate in the competition is essential. The owner should be willing to share data sought by the committee/jury and should also agree to a possible visit by the jury to the installation.

Awards will be presented at a grand function on 21<sup>st</sup> November 2019, first day of the exhibition at Hyderabad to honour the winners. In all matters relating to the award, the decision of ISHRAE Refrigeration committee and/or Jury will be final and binding.

For more information, contact: \_\_\_\_\_



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