

2024



cemWHR 2024

(A) Awards

A CEMENT SECTOR SPECIAL

* India's only Platform Focusing on Cement Industry WHRb

- Only Opportunity to Enhance your Learning & Business
 - * 5th Edition of Waste Heat Recovery Boiler Conference
 - * 12+ Technical Sessions including Panel Discussions
 - Gathering of Industry Leaders WORLDWIDE
 - 2 Days of Value Packed Interactive Sessions
 - Well attended by Government Dignitaries
 - Exclusive Award Categories
 - 25+ Industry Presentations
 - 100+ Participants

Organiser



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SITSON Boilers Sugar Power



The Indian cement industry is keen to adopt WHRB systems in a big way. The technical specialization within the Indian cement industry is advanced; the plant operating team can overcome the technical barriers analyzed. The major deterrent in faster adoption of WHRB systems has been the financial barrier. The potential for WHRB in Indian cement industry is very high.

With its objective to promote WHRB installations in India, Mission Energy Foundation brings out its **5th annual cemWHR – 2024** a two day Conference + Awards; scheduled on **23 - 24 April 2024**, **Hyatt Centric - New Delhi**.

the CONFERENCE

Organised with its objective to promote Waste Heat Recovery Boiler implementation in the Indian Cement industry. It shall encourage utilities that utilises the waste heat available to generate power and thereby reducing operating cost. Bring awareness among industry on suitable technologies may be considered for implementation of WHRB in existing and future cement plants.

the AWARDS

Over the years Mission Energy Foundation have honoured hundreds of innovative developments and solutions for excellence and sustainability among the utilities, small or large, who have demonstrated their efforts in generation of clean energy.



History of Past Conferences









23 - 24 April 2024, Hyatt Centric - Delhi

5th

A LITTLE BACKGROUND...

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Indian cement industry is the second largest manufacturer of cement, only next to China. Cement capacity in the last 5 years has increased by over 30% and the projected growth rate in the next 5 years is about 20% increase from present levels of manufacture. Cement sector is one of the fastest growing industrial sectors in India.

Indian cement industry is very advanced as far as energy efficiency is concerned. Some of the Indian cement plants operate with very low energy consumption levels, which are the best in the world. Latest technology adoption and continuous improvement has been the predominant factors for such high energy efficiency levels in Indian cement industry.

While energy efficiency has taken a top priority in Indian cement industry, the adoption of WHR systems in cement facilities has still a long way to go. Out of over 210 large cement plants in the country, only 70% of cement kilns have adopted WHR systems. Mission Energy Foundation estimates indicate that the waste heat recovery potential in Indian cement industry is close to 750 MW, indicating the huge opportunity for adoption of WHR in Indian cement industry.

Almost all the cement manufacturers in the country have captive power plants to meet their power demand. The reason for captive power generation is to lower the cost of power generation. Installing captive power plants would cost the cement manufacturers about Rs 40 Million per MW. On the other hand, installing WHR systems is costing the manufacturers about Rs 70 Million to Rs 80 Million per MW depending on the type of technology adopted and the WHR potential. This high initial investment is deterring manufacturers from adopting waste heat recovery systems.

Huge potential exists across the Indian cement industry to recover the waste heat and generate power. Cement industry being energy intensive, tapping waste heat can be an excellent opportunity to reduce the overall operating cost. Increased global GHG emissions are forcing the industrial sectors to operate in an energy efficient and environment friendly way. Implementation of waste heat recovery can substantiate fossil fuels used for power generation which will ultimately reduce GHG emissions.

NEED FOR WHRB SYSTEMS

On an average, the Indian cement plant requires power of 9 Billion kWh per year. The coal needed for generating this much amount of power accounts to 15 Million Tons per year. To meet out the required coal quantity, the industry spends about Rs 55 Billion each year. In order to bring down the cost towards energy, several cost reduction techniques such as using of pet coke and low grade coal, optimization of Indian coal with imported coals are being practiced.

Waste heat recovery is now emerging as an excellent addition to existing captive power generation. Other than reducing energy cost significantly, it can also be a reliable source of power. The concept of waste heat recovery is slowly picking up across the country.

Why WHRB Systems?

ADVANTAGES OF WHRB SYSTEMS

Reduces fuel consumption, which in turn reduces fuel cost significantly Simultaneously meet the demand for electricity and heat in a most cost effective manner. It bring down the specific energy consumption of the plant significantly. WHRB is about best energy efficient practice in the plant & provide economic competitive advantage in the market. The system also mitigate the emission of Green house gases which are affecting the environment adversely.



Janvion Rodrigues - Chief Production +91 9992 830 831 / janvion@missionenergy.org



Throughout the last 15 years Mission Energy Foundation have delivered successful platforms of knowledge dissemination gathering who's who from Entrepreneurs to Academicians to Government Authorities to Technology Providers to Consultants to Industry Professionals from the growing energy sector globally.

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<u>To Sponsor contact: Shri. S Dalvi</u> President Partnerships & Legal Counsel dalvi@missionenergy.org / +919769310944



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23 - 24 April 2024, Hyatt Centric - Delhi

cemWHR Awards 2024 shall once again recognise outstanding environmental and community relations efforts that go above and beyond what is required. Submissions from plants across the country shall be evaluated and recognized for environmental & energy efficiency efforts completed in FY 2022





The Winners of **cemWHR Awards - 2024** shall be honored during the valedictory session of the conference on the second second day i.e., **24 April 2024.**

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Important Dates

15 February 2024

1100 Hrs - Nomination Opens

31 March 2024

1700 Hrs - Nomination Closes

24 April 2024

Winners Shall be Honoured



Bharathi Cement **Dalmia Cement** Dalmia Cement (Bharat) Limited (Banjari) Dalmia Cement (Bharat) Limited (Dalmiapuram) Dalmia Cement (Bharat) Limited (Meghalaya) Dalmia DSP **J K Cement** JK Lakshmi Cement JK Lakshmi Cement Limited Nu Vista Limited Nuvoco Vistas Prism Johnson RCCPL Shree Cement Shree Digvijav Cement Shree Digvijay Cement Company Limited The Ramco Cement Limited (Javanthipuram) The Ramco Cement Limited (Kolimigundla) **Turbotech Projects & Services**



Submit Power Point Presentation in form of CASE STUDY showcasing the work done in the selected category of award nomination that have helped you to achieve better results to help@missionenergy.org within 10 days of your nomination.



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Monday, 23 April 2024

09.30 Hrs - 11.00 Hrs Technical Session - I

<u>11.30 Hrs - 13.30 Hrs</u> Technical Session - II

<u>14.30 Hrs - 16.30 Hrs</u> Technical Session - III

17.00 Hrs - 18.00 Hrs Panel Discussion

<u>19.00 Hrs - 20.00 Hrs</u> Networking Cocktail Dinner

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Time-Line AGENDA

Tuesday, 24 April 2024

10.00 Hrs - 11.30 Hrs Technical Session - IV

<u>12.00 Hrs - 13.00 Hrs</u> Panel Discussion

<u>14.00 Hrs - 16.00 Hrs</u> Technical Session - V

<u>16:30 Hrs - 17.00 Hrs</u> Award Ceremony: cemWHR Awards – 2024

<u>17.00 Hrs - 17.05 Hrs</u> Vote of Thanks & End of Conference

Registration Details

AWARD Nomination

Indian Company:

Non-Residential INR 32500 + 18% GST

> Residential 42500+ 18% GST

Overseas Company:

Non-Residential USD 950

Residential USD 1250

Category Discount 5% for 2+ categories 10% for 5+ categories

SPEAKER Registration

Indian Speaker:

Non-Residential INR 32500 + 18% GST

Residential INR 42500 + 18% GST

Overseas Speaker:

Non-Residential USD 950

Residential USD 1250

3 Golden Accommodation Rules

Mentioned Residential fee is on Twin Share Room Basis at the conference venue

Residential participants shall be provided Twin Share Room for 2 nights

If a participant desires a Single Occupancy Room, then an additional amount of INR 15000 + 18% GST shall be charged on the respective registration fee

DELEGATE Registration

Indian Delegate:

Non-Residential INR 26500 + 18% GST

Residential INR 36500 + 18% GST

Overseas Delegate:

Non-Residential USD 650

> Residential USD 900

Group Discount 5% for 3+ Participants 10% for 7+ Participants

Organiser



The Organisation

Mission Energy Foundation is a persistent, private, not-for-profit endeavour based in Mumbai, India. We are registered under sec 25 (1), 80G & 12AA respectively.

The Begining

A single man army with its mission to build platforms of discussion, exchange knowledge among industry professionals on core issues pertaining to growing energy sector.

GOAL

Mission Energy Foundation is a micro-enterprise initiative that strives to spread knowledge in the globalising energy sector. We educate and spread technology awareness through ongoing contacts and discussions with the public and industry concerning what the future of the growing energy sector should be...

<u>Today</u>

A human asset working together as one endeavour that expertise in organising and delivering successful international summits involving who's who from Entrepreneurs to Academicians to Government Authorities to Technology Providers to Consultants to Industry Professionals from the growing energy sector globally.

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Mission Energy Foundation (A not-for-profit Organisation) 003, B-16, Sector 1, Shanti Nagar, Mira Road, Thane, Maharashtra - 401107

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