

zones and head quarters throughout the year. The technical activities of the society make it more vibrant and it has enrolled over 3000 members in its fold. The society has close interaction with DST, ASEAN, MDI, Messe Essen DVS, German Welding Society, Singapore Welding Society, Welding Technology - Institute of Australia, etc, to keep its members aware of global development in the welding field. It is one of the founder members of Asian Welding Federation (AWF). It is launching Diploma Courses in welding technology, in distance learning mode, from this year onwards.

INVITATION TO DELEGATES

The workshop provides a rare opportunity for the manufacturers, user industries, OEMS, consultants, power producers, R & D personnel and others in the field of power plants. The organising institutions take pleasure in inviting delegates for ManTRA 2k9. Delegate registration form is appended.

INVITATION TO ADVERTISERS AND SPONSORS

Technical proceedings of ManTRA 2k9 will be brought out and will be widely circulated to various industrial establishments. It would be an ideal media for publishing advertisements by organisations in the arena, as the proceedings will have a wide reach among the professionals. The organisers solicit the active support and participation of companies to sponsor the event and make it a grand success.

DISPLAY OF EQUIPMENTS

The organisers invite interested OEMs, Service Providers, Consultants, Agencies and others to display their equipments, services, capabilities in the concurrent display stalls, very close to the venue.

A semi covered of 3 m x 3 m stalls will be provided at the rate of Rs. 12,000 per stall. 230 V, 5 / 15 A power supply will be provided. For more details please contact the Chairman (ManTRA 2k9)

ADDRESS FOR CORRESPONDENCE

Dr. S. Suresh

Chairman (ManTRA 2k9)

Additional General Manager (Labs), Welding Research Institute
Bharat Heavy Electricals Limited, Tiruchirappalli – 620 014, India.

Phone: 0431-2577223, Fax: 0431-2520770

E-mail : drsuresh@bheltry.co.in, tmaqim@gmail.com

DELEGATE FEE

Members of IIM & IWS from India	Rs. 3000
Non - Members	Rs. 4000
Faculty Members	Rs. 2000
Students	Rs. 1000
Members of IIM & IWS from abroad	US \$ 125
Delegates from abroad	US \$ 150
For accompanying spouse	Rs. 1000

ADVERTISEMENT TARIFF

Back Cover	Colour	Rs. 25000	US \$ 800
Second Cover	Colour	Rs. 30000	US \$ 900
Third Cover	Colour	Rs. 25000	US \$ 800
4 Page Centre Spread	Colour	Rs. 40000	US \$ 1100
Full Page	Colour	Rs. 13500	US \$ 500
Full Page	B & W	Rs. 5000	US \$ 250
Half Page	B & W	Rs. 3500	US \$ 150

SPONSORSHIP

Type	Amount		Benefits*
Inaugural Tea	Rs. 30,000	US \$ 900	Full Page Colour Advertisement Registration of 1 delegate
Lunch Day 1	Rs. 1,00,000	US \$ 2500	Full Page Colour Advertisement Registration of 4 delegates
Lunch Day 2	Rs. 1,00,000	US \$ 2500	Full Page Colour Advertisement Registration of 4 delegates
Valedictory tea	Rs. 20,000	US \$ 600	Full page B & W Advertisement Registration of 1 delegate
Evening Tea Day 1	Rs. 15,000	US \$ 500	Full Page B & W Advertisement
Morning Tea Day 2	Rs. 15,000	US \$ 500	Full Page B & W Advertisement
Bag	Rs. 3,00,000	US \$ 7000	Full Page Colour Advertisement Registration of 6 delegates
Pad & Pen	Rs. 30,000	US \$ 900	Full Page B & W Advertisement Registration of 1 delegate
Mementos	Rs. 2,00,000	US \$ 4500	Full Page Colour Advertisement Registration of 5 delegates

* Display of Banner at the Venue

PAYMENTS

All Payments are payable by a DD / Cheque drawn in favour of 'ManTRA 2k9' Payable at Tiruchirappalli – 620 014, Tamil Nadu, India. The payments may be forwarded to the Chairman (ManTRA 2K9).

ManTRA

2k9

Manufacturing
Technology
- Realms Ahead

7 - 8 September 2009

Theme

Innovative Processing
of Power Plant Materials

WRI

MD Auditorium

Bharat Heavy Electricals Limited

Tiruchirappalli, India

IWS



Organised by



TWO DAY WORKSHOP

Welding Research Institute (WRI) and Modernisation department of Bharat Heavy Electricals Limited, Tiruchirappalli, the premier 'Navaratna' Public Sector Undertaking, in association with the Indian Institute of Metals (IIM), Tiruchirappalli Chapter and Indian Welding Society (IWS), Southern Zone are organising a two – day workshop on “**Manufacturing Technology – Realms Ahead**” (ManTRA 2k9) between 7th and 8th Sep 2009 at the MD Auditorium, Bharat Heavy Electricals Limited Complex, Tiruchirappalli, India.

THEME

Though, there is an economic recession, worldwide, the infrastructure sector of India, particularly, the power sector has been maintaining a reasonably good growth rate. The present growth rate in this sector is expected to show a positive trend and it will continue to maintain the same in a faster pace in the years to come. Major share of this projected figure of about 1,00,000 MW is expected to come from the thermal power plants. That puts additional pressure on original equipment manufacturers of power plants. There is an urgent need to enhance production capacity and capabilities, augment facilities, introduce productive ways of production and smart way of working in all spheres of activities.

To meet the country's demand, BHEL is expanding in a big way to enhance its annual capacity to 15000 MW. The expansion automatically leads to augmentation of the capabilities and capacities of its vendors, sub vendors, raw materials suppliers, equipment manufacturers, service providers, etc. The capacity addition has to be doubled or tripled in the near future.

To take stock of these situations, the organisers had a successful edition of ManTRA 2k7. During the two day workshop, 21 experts from within the country and from USA, Japan, Finland and France made presentations. The deliberations of the workshop are useful to the participants in understanding the various facets of the technologies. Since ManTRA 2k7, developments are taking place in all the fronts pertaining to Power Plant Materials processing. It is right time to review the latest technologies in production and processing of power plant materials so that they can be quickly adopted.

In addition, the ever growing demand in the power sector leads to higher capacity boilers using ultra super critical technology boilers

for coal fired power plants. Due to the higher operating parameters of these boilers, the currently available materials cannot be used. These in turn create a necessity to use high performance boiler quality materials that can withstand the high temperature and highly pressurised environment they encounter. These materials offer challenges in processing. In the context of new materials, considerable research work has been in progress for developing newer materials suitable for higher operating temperatures & pressures. Research works and operating experiences with these new generation power plant materials leads to substantial enhancement in the cycle efficiency and consequential reduction in fuel cost besides improving the environmental conditions.

Further, there is a felt need to reduce cycle time and enforce cost control. This has compelled the industry to go in for greater mechanisation and automation both at shops as well as at sites.

The deliberations of ManTRA 2k9 will be on the theme, "Innovative Processing of Power Plant Materials".

ManTRA 2k9 will have invited talks from world renowned OEMs, service providers, consultants, user industries, researchers, etc. All out efforts are being made to have more international participation.

BHEL

Bharat Heavy Electricals Limited, Tiruchirappalli, the High Pressure boiler Plant (HPBP), set up during 1963 - 65 for the manufacture of steam generators for process and utility applications, has grown through three phases of expansion, with an increase in manufacturing capacity from 750 MW per annum to 4000 MW during the 1970s and '80s. The Unit is grown from Rs. 2000 cr to 7000 cr in the past five years. During 2008 - 09, the unit achieved a remarkable 30 % year on year growth. All these achievements have been the result of implementation of a combination of several operational strategies like restructuring and capacity augmentation taken up in two phases to enhance the capacity for in house manufacture from 4000 MW in 2005 - 06 to 15,000 MW by March 2011.



WRI

Welding Research Institute is a premier research centre provides total solutions to its customers in the field of materials joining through research and development, metallurgical investigations, training and consultancy services. The institute has achieved a high level of technological excellence and has assisted



the Indian industry in a applying latest techniques to upgrade quality productivity, for the past 34 years. Through, continuous interaction with world renowned institutions, the institute is updating the knowledge base on latest technologies and assimilating experience. In association with Department of Science & Technology, Govt. of India, it is conducting skill development training for ITI qualified welders and a special programme for women welders.

Expertise of the Institute encompasses Equipment Development, Technology Development, Management Support Services, Repair & Reclamation, Welding Procedure Specification, Residual Life assessment of Power and Process Plants, Engineering Services, Testing and Inspection Services, Production Assistance to Industries, System Engineering, Document Services, etc. Departments and laboratories of the institute are equipped with up - to - date research and measuring analytical equipments.

IIM

The Indian Institute of Metals, Tiruchirappalli chapter ever since its inception in 1981, has been promoting the cause of materials by regularly organising technical lectures, seminars, workshops, conferences, training programmes, quiz programmes, etc. The chapter has been awarded the “Best Chapter in the country” for a record eight times in a row by the National professional body, IIM. It has also achieved the “Nil Defaulters award” for four consecutive years. The Seminars and workshops organised by this chapter have been well received by all with overwhelming response. For the past eighteen years it is conducting quiz on metals & materials for the students community.



IWS

Indian Welding Society is a premier professional body, devoted to the cause of welding in the country. The society is committed to promoting advancement in welding, cutting and reclamation, hard facing related technologies and in providing a forum for professional exchange of information, experience and developments in the field. With its headquarters at New Delhi, the capital city of India, the society has a federal structure consisting of different regional centres in the North, East, West, South and Central Zones of India. Since its inception, IWS is pursuing the knowledge dissemination goal on the continual basis. It is organising National / International workshops, seminars, training programmes, lectures, technical talks, etc. through its centers,



MANUFACTURING TECHNOLOGY - REALMS AHEAD

Contact Person Details

Title :

First Name :

Last Name :

Organisation :

Company Business :

Address :

Pincode :

Country :

Telephone : Fax :

Email : Mobile :

Delegate Registration

S. No.	Name	Designation	Amount	IWS / IIM Membership No.
1.				
2.				
3.				
4.				
5.				
6.				

Delegate Fee

Members of IIM & IWS from India	Rs. 3000	Members of IIM & IWS from abroad	US \$ 125
Non - Members	Rs. 4000	Delegate from abroad	US \$ 150
Faculty Members	Rs. 2000	For accompanying spouse	Rs. 1000
Students	Rs. 1000		

Advertisement Details

Type		Rate		Please tick (✓) the appropriate box(es)
Back cover	Colour	Rs. 25000	US\$ 800	
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Mementos	Rs. 2,00,000	US \$ 4500	Full page colour Advertisement Registration of 5 delegates	

* Display of banner at Venue

Display Stall Details

Stall Details:

Size - 3 m x 3 m
Power facility - 230 V, 5 A / 15 A

Stall Tariff:

For Indian Companies : Rs. 12,000
For Overseas Companies : US \$ 300
No. of stalls required :

Payment Details

We are enclosing the payment towards the sponsorship / advertisement / Display stall / Delegate fee amount Rs. ----- DD No. ----- & Date -----
Drawn on (Bank & Place) ----- In favour of **ManTRA 2k9**
payable at Tiruchirappalli

Requirement

Kindly send us the following

Receipt of Payment

Bill in Duplicate

We understand that a free voucher copy of the Proceedings will be sent to us after publication

Advertisement Materials

A) We are enclosing the following advertisement material

Art Work / Artpull

Soft copy (JPEG file)

Positive

Typed Matter

B) We shall send the advertisement matter separately on or before

Please tick (✓) the appropriate box(es)

Special Instructions

Signature

Reply to : Dr. S. SURESH, Chairman (AMR&A)

AGM (Labs), Welding Research Institute, Bharat Heavy Electricals Limited, Tiruchirappalli - 620 014, India

Phone : 0431 - 2577223, fax : 0431 - 2520770 E-mail : drsuresh@bheltry.co.in, tmaqim@gmail.com

Hotels at Tiruchirappalli (STD Code 91-431)

Hotel Phone / Fax No.	Tariff* in Rs.			
	A/C Room		Non A/C Room	
Hotel Sangam Ph : 2414700 Fax : 2415779 E-mail : hotelsangam@vsnl.com	2750	3250	----	----
SRM Hotels Ph : 2421304 Fax : 2421307 E-mail : royalsouthern@hotmail.com	2000	2500	----	----
Femina Hotel Ph : 2414501 Fax : 2410615 E-mail : feminahotel@hotmail.com	1050	1700	550	800
Breez Residency Ph : 2414414 Fax : 2461451 E-mail : jenneys@satyam.net.in	2000	2400	----	----
Hotel Ramyas Ph : 2414646 Fax : 2414852 E-mail : ramyashotel@gmail.com	950	1100	490	550
Hotel Gajapriya Ph : 2414411 Fax : 2466456	770	880	525	605
Abirami Hotels Ph : 2415001 Fax : 2412819	600	750	380	475
Hotel Tamilnadu Ph : 2414346 Fax : 2415725	----	600	----	325
Hotel Mathura Ph : 2414737 Fax : 4001037	595	685	325	450
Hotel Anand Ph : 2415545 Fax : 2415219	----	825	----	420
Hotel Ajantha Ph : 2415501	----	575	195	315

Hotels at Thanjavur** (STD Code 91-4362)

Hotel Parisutham Ph : 231801 Fax : 231844 230318	2800	3000	----	----
Sangam Hotel Ph : 239451 Fax : 236695	3200	3700	----	----
Hotel Temple Tower Ph : 276333 276334 Fax : 270014	----	825	----	605

*Tariff subject to change, ** 45 km from the venue and 1 hour drive by road