The Indian Institute of Welding

Role in Development of Human Resources in Welding

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The Indian Institute of Welding

- Founded in April 1966 head quartered at Kolkata with 11 branches spread around the country
- Premier Professional Institute in India for the Advancement of Welding Science & Technology and related activities.
- 3000 individual members and 150 industrial corporate members
- Affiliated to the International Institute of Welding

Major objectives

- Assist Human resources development in welding in India
- Technology diffusion to Industry and the individual
- Foster R&D in welding
- Promote health & safety in welding

Major activities of the Institute

- Conduct technical meetings, workshops, industry oriented training programs etc. at the Branch level.
- Organise seminars and conferences on welding and allied sciences at Branch, National and International level.
- Organised International Welding Conferences in 2005 and 2008 very successfully. Responsibility for organising the Annual Assembly of the Int.I.W. in 2011.
- Publish the Indian Welding Journal quarterly in collaboration with AWS and a monthly Newsletter on the web-site.
- Conduct AMIIW examinations recognised by Ministry of HRD, Govt of India as equivalent to Engineering Degree.
- Authorised National Body (ANB) of the Int.I.W. in India for award of International Diplomas to Welding Personnel at various levels, which are globally recognised and accepted.
- Launched its IIW Certification Scheme for Welders at the national level.

IIWs 5 year Strategic Plan

- A 5 year strategic plan (2008 – 20012) for the Institute was finalised and approved by the council to

  Identify and promote the role IIW – India can play in the scientific and economic growth of India.

- Main objectives of the plan

  - To assist the Indian fabrication industry to be globally competitive by adopting improved processes and through technology innovation

  - **Development of competent skilled people in welding at all levels which is today recognised as a major constraint for the fabrication and construction industry.**

  - Provide and disseminate information related to the welding industry and welding technology.

IIWs focus on HRD in Welding

- **AMIIW** – Associateship exam to provide opportunity for career development to diploma holders/high school pass-outs to qualify as engineers.

  Also available to final year and pre-final year Engg. students as additional qualification in Welding Technology.

  Plan for e-learning

- **ANB-India –** International Qualifications made available for Welding Engineer/Technologist/Specialist/Practitioner/Welder. Required by the fabrication industry to conform to ISO;3834 – Quality Requirements for Welding. Future requirement for export.

- **IIW Welder Certification Scheme -** developed to meet the long standing demand from Industry for competent and certified welders at the National level

ANB - India

- ANB India approved, by the Int.I.W in July 2007, as their only ANB in India for operating their International System for Education, Examination and Qualification for award of IWE/IWT/IWS/IWP/IW Diplomas.
- Appointed ATBs (Approved training Bodies) under ANB India, for conducting International Welder (IW) courses.

  - Quivan (India) Technical Institute, Sodepur, Kolkata

  - Don Bosco Technical Institute, Vaduthala, Cochin and

  - TUV, Rheinland, Bangalore
- Appropriately qualified and experienced candidates are being awarded diplomas through the Transition Route after undergoing a 5 day refresher course followed by a test and interview.
- Around 140 candidates have qualified in the last year.
- Facility available for IWE / IWT / IWS / IWP diplomas for a limited period upto 2010

IIW Welders Certification Scheme

- Dearth of properly qualified and competent welders is a major problem for the Indian fabrication industry. Most welders are developed from unskilled personnel.

- Has been prepared to meet the demand for welders, trained and certified to a level of competency commensurate with the requirements of any of the welder qualification and certification specifications or codes i.e. IS:7310 / IS:817, ISO:9606-1, BSEN:287 and ASME Sec IX/AWS D1.1.

- Covers requirements for ‘ Training & Certification’ and ‘Certification’ only

- To be operated by the **IIW National Certification Board.**

IIW Welders Certification Scheme

- The scheme defines the requirements for IIW to certify welders at different skill levels **Basic, Standard & Advanced**.

  for MMAW, GTAW & GMAW processes

- Also the theoretical and practical training facilities and program requirements for a Welders Training Institute to be approved as an **IIW Approved Training Institute (ATI)** to operate the scheme.

- Scheme in two parts

  Part 1 – Defines certification and ATI requirements along with curriculum for different courses.

  Part 2 – Provides lesson plan and course notes to ATIs

THANK YOU