



# **THE INDIAN INSTITUTE OF WELDING**

(A Member Society of the International Institute of Welding)



## **INFORMATION BOOKLET**



## INTRODUCTION

The Indian Institute of Welding (**IIW-India**) was incorporated on 22nd April 1966 at erstwhile Calcutta to foster the development of welding science, technology, and engineering in India, and since then has been serving to the cause of welding industry. It has 13 Branches, 2 Centres and several Students' Chapters throughout India. The Institute is a not-for-profit organisation registered under Section 25 of the Companies Act 1956 (presently Section 8 of the Companies Act 2013) and is also registered under section 12A of the Income Tax Act 1961, as an Institution for charitable purpose.

Through its various activities and programmes, IIW-India is now recognised as the premier professional Institute related to welding in the country, with over 4500 Individual and Corporate Members. Furthermore, as a member society of the International Institute of Welding (IIW), it is helping to project the importance and achievements of the Indian Welding Industry to the global community. IIW-India is also a member of Asian Welding Federation (AWF) since its inception.



### IIW-India Branches

Bangalore
Baroda
Bhubaneswar (Centre)
Bhilai
Chennai
Cochin
Delhi
Hyderabad
Jamshedpur
Kolkata
Mumbai
Pune
Surat (Centre)
Trichy
Vizag

## MAJOR OBJECTIVES

With a motto of '**Welding for Nation Building**', IIW-India is continuously developing itself to achieve the following 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;
- Establish International standards of quality for the Indian fabrication industry;
- Publish 'Indian Welding Journal' with research papers and latest development in welding;
- To conduct Skill Development programmes for welders and welding engineers.





## GOVERNANCE

- The Memorandum & Articles of Association along with By-Laws of the Institute, specify in details the organisation and functioning of IIW-India.
- IIW-India is governed by its Board of Directors, called the Council, elected annually by the members in Annual General Meeting (AGM).
- Apart from the Office-bearers, the Council has the representatives of all the Branch and all the classes of member including Industrial Corporate Members.



## EDUCATION, TRAINING AND CERTIFICATION ACTIVITIES

### A. AMI IW Examination

AMI IW Examination system is being re-introduced in a new format by the Institute, which includes theory papers, project work, practical and viva-voce. Successful candidates passing the AMI IW Examination will be eligible to become Associate Member of The Indian Institute of Welding and will also be given a certificate for becoming a '**National Welding Engineer**'.

Visit <http://iiwindia.com/welding-education/> or write to [iiw.weldingedu@gmail.com](mailto:iiw.weldingedu@gmail.com) for further information.

### B. Personnel Qualification & Certification

IIW-India is the only Authorised Nominated Body (**ANB**) of the International Institute of Welding in India for awarding the International Diplomas to welding personnel at various levels, which are globally recognised and accepted. Courses offered for

- **International Qualifications following the requirements of International Authorisation Body (IAB) guideline (Competency as per ISO 14731)**
  - i) International Welding Engineer (**IWE**): Through Standard, Alternate and Transition routes
  - ii) International Welding Technologist (**IWT**): Through Standard, Alternate and Transition routes
  - iii) International Welding Specialist (**IWS**): Through Transition route
  - iv) International Welding Practitioner (**IWP**): Through Transition route
  - v) International Welder (**IW**): Through Standard route
- **Certification for Welder & Welding Inspectors by IIW-India**
  - i) Welder qualification as per ISO 9606, ASME Sec IX, AWS, IS etc.
  - ii) National Welding Inspectors' Certification Scheme (**NWICS**)

Visit <http://iiwindia.com/personnel-qualification-certification/> or write to [enq.anb@iiwindia.com](mailto:enq.anb@iiwindia.com) for further information.

### C. Company Certification

IIW-India is the only Authorised Nominated Body for Company Certification (**ANBCC**) of the International Institute of Welding in India for certification of organisations in accordance with ISO 3834. Many organisations have achieved certification to ISO 9001 with respect to their quality management systems, but where significant use is made of a special process like welding, such certification is unlikely to provide the required demonstration of company capability to manufacture products with the required product quality. In such cases compliance to ISO 3834 is the recommended solution.

Also, ANBCC is authorised for auditing organisations in accordance with EN 15085 & EN 1090 in collaboration with IIS Cert, Italy.

Visit <http://iiwindia.com/anbcc-offering/> or write to [mktg.anbcc@iiwindia.com](mailto:mktg.anbcc@iiwindia.com) for further information.



#### **D. National Welding Training & Certification Scheme (NWTCS)**

IIW-India's National Welding Training and Certification Scheme (**NWTCS**) has been prepared to meet the demand of industry for welders, trained and certified to a level of competency commensurate with the requirements of any of the welder qualification and certification standards or codes i.e., IS:7310, IBR, ISO:9606-1, ASME Sec IX, AWS D1.1 and few other standards. The scheme is specifically designed for large number of pre-school leaving candidates and dropouts who are unable to continue with formal education and provides an opportunity to build alternative career. The National Welding Training and Certification Scheme will make the qualified welders better acceptable to industry all over India. The Scheme is open for different welding and cutting processes for the following levels:

- i) Foundation schemes
- ii) Industry oriented special schemes
- iii) Special scheme for expert welders

Visit <http://iiwindia.com/nwtcs-certification-scheme-new/> or write to [sdp@iiwindia.com](mailto:sdp@iiwindia.com) for further information.

#### **E. Assessment for National Skill Development Programmes**

IIW-India is an Assessment Body under National Skill development Corporation (NSDC) for conducting assessments of Pradhan Mantry Kaushal Vikas Yojana (PMKVY) and other schemes through various Sector Skill Councils for Welding and Fitter Fabrication, which are as follows:

- i) PMKVY (RPL, STT, SP & TI)
- ii) Non-Star Scheme
- iii) CSR Scheme
- iv) SDIS-DDU-GKY (Rural)
- v) HPKVN Scheme (Himachal Pradesh)
- vi) RSLDC Scheme (Rajasthan)

Visit <http://iiwindia.com/sector-skill-assessment/> or write to [sdp@iiwindia.com](mailto:sdp@iiwindia.com) for further information.







## OTHER ACTIVITIES

- Conducts technical lectures, workshops, webinars, industry-oriented training programmes, etc. at the Branch level.
- Organises seminars and conferences on welding and allied sciences at Branch, National and International level.
- Organises National and International welding and cutting exhibitions.



- Supports welding research and development activities by instituting awards to scientists, research scholars and engineers for their papers presented during the annual seminar.
- Coordinates with International Institute of Welding and other Technical and Research Institutes in India and abroad for exchange of technical information.
- Conducts competitions to encourage professionals, practitioners and students towards welding by organising
  - i) National Skill Competition for Best of the Best Welders (in different categories);
  - ii) National Best Welder Competition for Women (in different categories);
  - iii) National Best Welding Engineer Competition;
  - iv) Aspirant Welding Engineers' Competition.
- Encourage and support Winners of the National Skill Competitions to take part in the International Competitions.







## WELDING RESEARCH FOUNDATION

In line with its professed philosophy 'Welding for Nation Building', IIW-India has established **IIW-India Foundation** for furthering the cause of welding science and research. It is an interdisciplinary body funded by the fabrication and construction industries, welding products manufacturers, steel and non-ferrous metal manufacturers and Government bodies. The main objectives of IIW-India Foundation are:

- To encourage research in the field of welding, cutting and joining, aligned to the requirements of the industry after assessing the anticipated needs;
- To identify academic and research institutes which can provide such environment;
- To support different sectors through National Welding Capability mission.



## ADVANTAGES OF BEING A MEMBER OF IIW-INDIA

On becoming a member of IIW-India, one joins the wide fraternity of welding professionals in India both at the National and International levels. The various seminars, conferences, workshops and technical lectures organised by the Institute not only provide platforms for exchange of technological knowledge and information but also serve as forums for establishing contacts and information with professionals on one's chosen field. Apart from these, other specific benefits are:

- Every member is eligible to receive a free e-copy of the Indian welding Journal (IWJ). The journal contains articles and news on latest development in welding technology. This journal is published quarterly in collaboration with American Welding Society (AWS).
- Members are eligible to publish their paper in IWJ, if fulfilled by the requirements stated in guideline.
- Members are eligible to attend any International or National events organised by the Institute at a concessional delegate fee.
- Members are eligible to present their paper in the seminars organised by the institute, if selected by the technical committee.
- A member is eligible to appear in AMIIW Examination to become a National Welding Engineer if criteria is fulfilled.
- A member will have free access to the technical library in Branch offices or at National Head Quarter at Kolkata.
- Members are eligible to receive a concessional rate for sponsorship and advertisement during the seminars organised by the Institute.
- The Institute may conduct in-house tailor-made training programmes and technical lectures for the Industrial Corporate Members and may provide technical advice through experts.



## STUDENT MEMBER

To encourage the engineering students to choose Welding as a Career, a specific category of Membership has been introduced, which is 'Student Member'. Any student, not having reached the age of 25 years, and studying Engineering Degree / Diploma course in an Educational Institution in any discipline and approved by the Council, is eligible to be a Student Member.





## BENEFIT FOR THE STUDENTS



To encourage the Student Members, IIW-India has taken several initiatives, which are in short

- Seminars and Workshops at different Institutions;
- Organising Quiz Contests for the students;
- Organising Industry visits for the Student Members;
- Supporting Students' Chapters for organising Seminars by the Students;
- Organising National level competition for the Best Students' Chapter.



## INTERNET OF THINGS, WELD 4.0 AND NEXT NORMAL

The earlier three revolutions changed the fabrication industry as a result of mechanisation, electricity and IT. But the Fourth industrial revolution for welding is synonymous with introduction of Internet of Things (IoT). The cloud-based environment is establishing global networks that incorporates machine, consumable and production facilities in the cyber space. We are now able to control welding through digital data driven technology in all the respects. IIW-India is also leaping forward with the latest and improved technology, which will lead us to the Next Normal.

**So, please come and join the revolution with us to build the Nation!**

Visit <http://www.iiwindia.com> or write to [iiw@iiwindia.com](mailto:iiw@iiwindia.com) for further information.





**International Congress IC-2020**



**A view of IIW-India House**



## **THE INDIAN INSTITUTE OF WELDING**

### **Registered and Head Office**

IIW-India House, Plot No. 38, Geetanjali Park, 200 Kalikapur Main Road

P.O. : Mukundapur, Kolkata - 700 099, INDIA

Tel. : 91 33 2416 0826 / 2416 0942 | Telefax : 91 33 2416 0826

E-mail : [iiw@iiwindia.com](mailto:iiw@iiwindia.com) | Website : <http://www.iiwindia.com>

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