



The Indian Institute of Welding- ANB (IIW-India ANB)



Institutions Seeking Approval as **APPROVED TRAINING BODY (ATB)**

The Indian Institute of Welding (Ind.I.W) is a Premier National Professional Body for the development & advancement of Welding Technology and Science in the country and was established in April 1966 with its head Office in Kolkata. The Institute has members of different classes i.e. Corporate Members, Fellow, Member and Associate Member. The Institute publishes a quarterly technical journal which is well received within the technical community in India & abroad. The Institute conducts AMIOW examination based on its own course which is approved by Government of India, as equivalent to a Graduate Degree of a University. The institute also holds international & national conferences and world class exhibitions on welding products and services at regular intervals. The Institute has 13 branches throughout India. They are regularly conducting various activities including tailored programmes for promotion of knowledge, expertise & skill in welding and related activities.

The institute has adopted a Mission to promote Education and Qualification in welding in India in line with International Standards which will be globally recognised and accepted. The goal is to assist in making Indian industry locally and globally competitive in welding related activities

The Institute is a member of the **International Institute of Welding (IIW)** which was created in 1948 and now has 59 members. IIW has developed and now administer a Unified International System for Education, Examination and Qualification of Welding Personnel, which is globally recognised and internationally accepted.

A division of Indian Institute of Welding has been accredited by IIW as its only '**Authorised Nominated Body**' (ANB) in India (To be referred as **ANB-India**) to operate its above international scheme and award **International Diplomas** to welding personnel at various levels from skilled **International Fillet Welder** to the highest level of **International Welding Engineer (IWE)**.

The Indian Institute of welding in turn appoints welder training institutes as **Approved Training Bodies (ATBs)** as per *International Authorisation Board Rule Ref No IAB-001* (latest version) who will actually impart the approved practical and theoretical training programmes. Prospective candidates are required to undergo training in these ATB's in the course of their choice.

1. Benefits

1.1 Industry Advantage:

The IIW qualification system, administered by ANB India will provide a pool of welding personnel at all levels, trained to international standard for industry. This will also enable industry to fulfil the future requirements of ISO 3834 (Quality requirement for Welding) as well as ISO 14731 (Welding Co-ordination Task and Responsibilities), which will be particularly relevant for export-oriented industries.

1.2 Career for Welding Professionals:

Welding is a key technology and competency required for the fabrication and construction industries and requires qualified persons at various levels of skill and knowledge. The international Diplomas within the scope of ANB-India start from International Welder upto International Welding Engineer as outlined below and offer opportunity for upward career progression. There is enormous scope to obtain overseas appointment at all levels for IIW Diploma holders starting from the ground level welder to highest engineer.

International Welder (IFW, IPW or ITW):

- ❖ **Fillet, Plate or Pipe/Tube:** International level Knowledge in Welding practice & Skill as per IAB 089 Guideline (Latest version) meeting welder approval qualification as per ISO 9606 / ASME IX / IS or equivalent and also cover different processes (MMA, MIG/MAG, TIG) and materials and combinations as per the guideline and optionally involve making test objects.

International Welding Coordination Personnel (IWCP)

The following qualification follow IAB Guideline 252 & meets the requirements under ISO 14731.

- ❖ **(IWE):** International Welding Engineer is the most knowledgeable in the profession to guide and advise for resolution of technical issues relating to actual welding, process & procedure, inspection, design of welding and fabrication technique, quality control. He can take the position of Welding Co-ordinator in most industries with diverse requirements for welding and fabrication.
- ❖ **(IWT):** International Welding Technologist are expected to have greater in depth technical knowledge and expertise in welding to undertake work and can take responsibility as Welding Co-ordinator in a manufacturing industry.
- ❖ **(IWS):** International Welding Specialist is required to have much greater in depth knowledge on various aspects of welding as shop floor inspector, senior supervisor, instructor, and Welding Co-ordination in a shop with limited variation in parameters on process, material, joint design etc.
- ❖ **(IWP):** International Welding Practitioner is an experienced highly skilled welder in at least one process with approval qualification as per ISO 9606/EN 287-1/ASME sec IX etc. He can supervise & instruct industrial workers and assist the responsible Welding Co-ordinator.

International Welding Inspection Personnel (IWIP)

The above Diplomas to Welding Inspectors follow IAB Guideline 041 & are offered at **Basic (IWI-B), Standard (IWI-S) and Comprehensive (IWE-C)** level respectively of increasing knowledge, skill & responsibility satisfying the essence of both under ISO-14371 & NDT under ISO-9712

1.3 Training & Educational Institutions - Opportunities :

By adopting the guidelines of International Institute of Welding through ANB-India, the ATB will be able to harmonise the training, examination and qualification testing of welding professionals with the international welding professional's community. The guideline takes care of both theoretical education and practical training at different skill and knowledge levels. This will have immediate industry recognition and acceptance all over the world. The students are likely to be attracted to training institutes which provide quality training acceptable to overseas job market for employment.

2. Approved Training Bodies (ATB)

The ATB's are appointed through an extensive process of verification as shown in the flow chart in the next page. Following categories of organisations may be eligible for approval.

- ✚ A Welders training school or Institute
- ✚ An Engineering/ University/College running theoretical and practical classes in welding
- ✚ A welding products manufacturing company having its own welding school
- ✚ A fabrication organization having its own welding training and qualification cell

The applicant ATB must have the legal right to use the facilities used for imparting the training courses offered and is fully responsible for compliance of concerned legal and statutory regulations.

The ATB must have well ventilated modern class rooms with teaching aids, audio visual equipment, library & employing adequately qualified teachers and instructors with administrative support as per IAB norms and must be adequate to cover the intended maximum number of students.

The approval of an ATB and the courses they are authorised to conduct is the responsibility of ANB-India as per IAB guideline No IAB-001 (latest version). A course is approved with respect to the programme, the team of lecturers & instructors, course materials, Lesson Plan, facilities and equipment on successful completion of Assessment Audit.

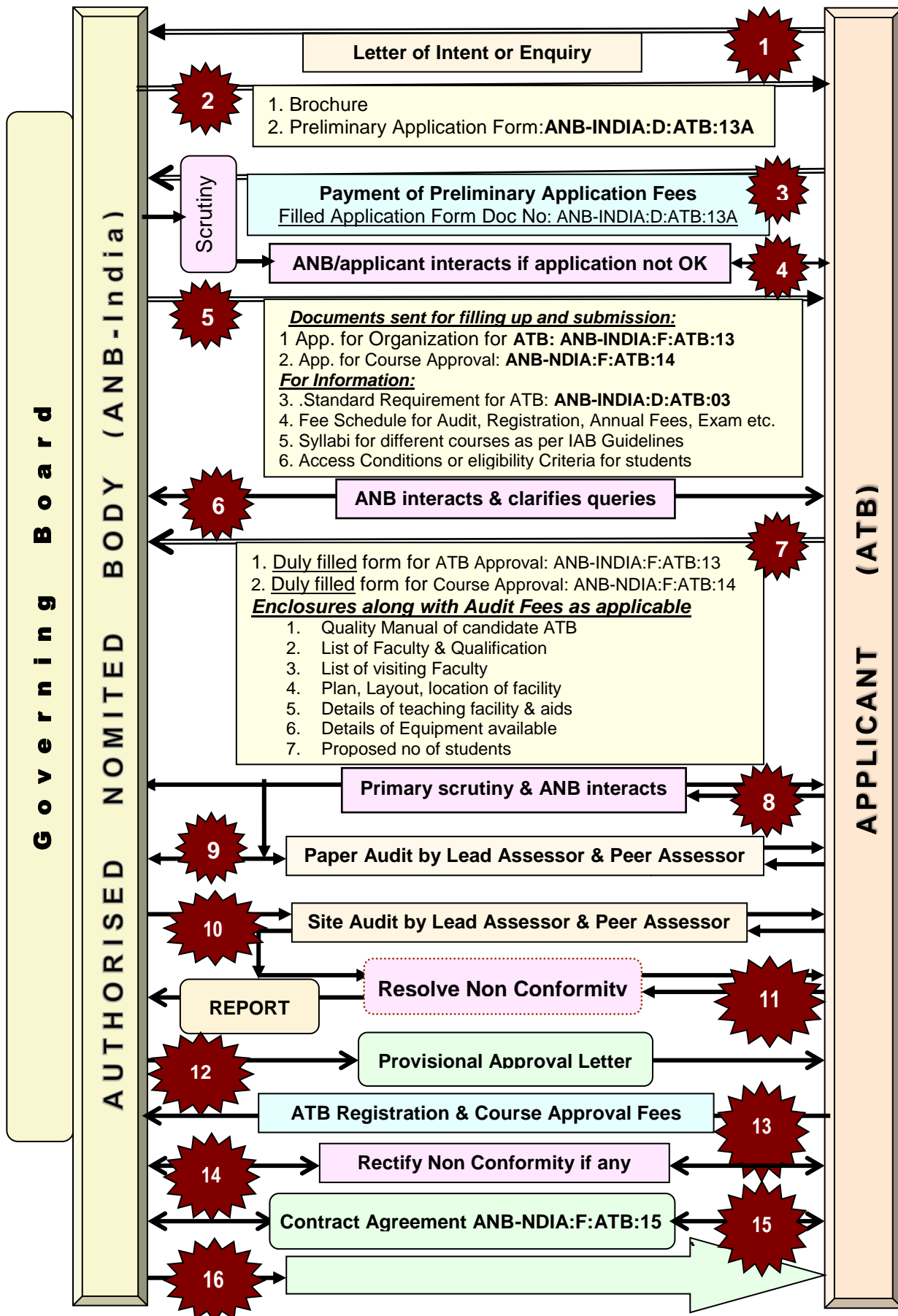
The ATB is to conduct approved courses designed to prepare candidates for examinations and qualifications of welding personnel to International Standard as per IAB guideline. Successful completion of an approved course with both theoretical and practical lessons is a requirement of the qualification procedure for awarding IAW Diploma.

The ATB's are subjected to monitoring, and surveillance audit by ANB-India within specified period. Failure and non-compliance to agreed rule and procedure including timely payment of all dues to IAW-India ANB may lead to suspension / Termination.

The requirements are covered in ANB-India Quality Manual Doc No OP- 4 (Approval, Surveillance, Renewal & termination of ATB) and bound by Contractual obligations of ATB with ANB-India

3. Procedure / Steps for Obtaining Approval of ATB & the Courses

The following diagram shows the step by step process in the approval of an ATB by ANB-India under the relevant IAB guideline and IIW-India ANB QSM.



Service Tax is chargeable on all payments made by ATB to IIW-India ANB

4. International Welding Professional (Eligibility/Access)

The ANB is responsible to ensure that the specified eligibility/Access condition is maintained for each course. *The ATB is to ensure that proper verification of all qualification, testimonials and identity of candidates' are made as a preliminary to forwarding the application to the ANB.*

The Indian Institute of Welding is authorised by the International Institute of Welding to offer the following International Qualifications in India following the Guideline issued on their behalf by the International Authorisation Board (IAB). The Intending ATB may visit the Website www.iiwindia.com to know further details regarding the various course guidelines available in short version and also review the Access conditions as published in the website or contact IIW-India ANB

International Welding Coordination Personnel:

The qualifications complies with the requirement of ISO 14731 essential for ensuring proper control over welding fabrication activities and essential for a company to be Certified under ISO 3834

- International Welding Engineer - IWE
- International Welding Technologist - IWT
- International Welding Specialist – IWS
- International Welding Practitioner - IWP

International Welding Inspection Personnel:

- Comprehensive
- Basic,
- Standard

International Welder Levels: Fillet, Plate and Tube/Pipe & combination with Process and material

5. Examination:

The examination procedure will be as set forth in guideline latest edition of IAB (International Authorisation Board of IIW) and under ANB India QC manual and Work Instructions. The final examination to assess student performance, in accordance with the relevant IIW guideline and rules as framed by the Board of Examiners appointed by ANB-India. This examination by ANB-India is mandatory and is independent of any assessment procedure conducted by ATB

The examinations SHALL be conducted at locations and at times designated in advance as per advance notice of examination. The written examination must be invigilated upon in appropriate manner. Certificate under applicable ISO or other code/standard for qualification will be under the supervision of an ANB-India authorised Examiner. Testing laboratories if not within the ANB audited facilities must have prior approval of ANB by due process.

6. Diploma

The relevant International Welding Diplomas awarded are valid for life. However in case of welder certification the revalidation clause under appropriate Standard/code & rule is applicable.



Registered Office

The Indian Institute of Welding

A member society of International Institute of Welding

Mayur Apartment,
3A Dr. U N Brahmachari Street
Kolkata 700017

Phone: +91 33 2281 3208,

E-Mail: indianwelding@vsnl.net, iiw@iiwindia.com

IIW India Website <http://www.iiwindia.com>



The Indian Institute of Welding -ANB

Authorised Nominated Body of the International Institute of Welding in India

IIW-India House, Plot No:38 Geetanjali Park

200 Kalikapur Main Road,

P.O. Mukundapur. KOLKATA 700 099, INDIA

Tel: +91 33 4006 1837 , E Mail: anb@iiwindia.com