

GUIDANCE FOR IWCP (IWE/IWT) ALTERNATIVE ROUTE CANDIDATES [As per IAB-442r1-24 guidelines]

I. How to Apply?

- i. Candidates are advised to go through all the documents sent through the Google Drive link to 'Application Documents' folder containing the Application Form and other relevant documents for proper understanding of the Process of Application and steps involved.
- ii. The instructions in the PPT (in 'Application Documents' folder) should be read carefully before filling up the Application Form. It is recommended that the candidate makes an **honest self-evaluation** of his/ her knowledge in the specific topics listed in each of the Module tables under Part B. The applicant must refer to the scoring concept table given in Part B of the Application Form for self-evaluation against different module topics. Supporting document of formal education (graduation/diploma courses, seminars, training, technical courses) and work experience (job function, projects, assignments, special task etc.) are required as evidence of learning for assessment by ANB. The CV must have clear information on products fabricated, materials used, welding and cutting processes applied, construction/manufacturing codes and standards used. It is unlikely that a person will have full knowledge covering all the four modules, hence inflated marking, without appropriate supporting documents, may turn out to be counterproductive during the Assessment and Technical Interview.
- iii. The candidate must create an e-folder and put filled in Application Form and other relevant documents with self-attestation in it, name the e-folder and create the link with 'share with anyone' option. All the scanned copies must be legible and properly oriented for easy readability. **No peripheral documents should be submitted.** He/she should send a mail addressed to oprn.anb@iiwindia.com and copies indicated in this Guidance document, sharing the link of the e-folder and a list of documents attached. One need to submit the Application Fee (Refer SL. No. 1 of Table 3 - Extract from ANB Fees Document ANB_INDIA:D Fees: r18 2024) at this stage and attach the payment record (filled up Form DFP_04 & fund transfer record issued by bank) in the e-folder itself.

II. Admission Criteria and Method

ANB will apply the Evaluation Matrix using the moderated scores of the Assessors against self-evaluation for deciding suitability for the next stage. The final outcome can be:

TABLE-1

Outcome of Evaluation Matrix	Recommendation/ Future course of action
Applicant scores 60% or more in each module	May be advised to proceed for Technical Interview (TI).
Applicant satisfies access condition & eligibility criteria but does not fully satisfy the score generated (i.e. less than 60%) in one or more modules	May be advised to join an ATB or an ANB approved training course in the failed module(s) and submit documentary evidence of participation and course certificate from appropriate authority to the satisfaction of ANB-India for appearing in TI.

Candidates who attain a minimum of 60% marks in each of the four modules are allowed to appear for the Technical Interview (TI). If an applicant has a valid certification at the relevant level which covers a module, ANB-India if satisfied may accept this as equivalent to the required 60% level. Candidates will have to register him/herself for appearing in the Technical Interview and must pay the Registration fee at this stage (Refer SL. No. 2 of Table 3). On submission of the payment record (filled up Form DFP_04 & fund transfer record issued by bank) and Confidentiality Statement Form (to be sent by ANB), a Registration Number will be allotted by ANB-India.

III. Technical Interview

The purpose of the interview is to verify the accuracy of the information provided by the candidate in the application form, including CV and self-evaluation. The interview panel comprising subject matter experts covering all four modules is expected to review the applicant's knowledge, experience, training, and verify at least 50% of the applicant's scoring point in Part B of the application. Questions may be applicable for all levels, but answers will be evaluated by the panel at the qualification level being sought by the candidate based on his/her depth of knowledge and skill. The outcome of the Technical Interview and Recommendation/ Future course of action is given in Table 2.

TABLE-2

Outcome of Technical Interview	Recommendation/ Future course of action
Applicants satisfy access condition but do not satisfy the eligibility criteria.	May be advised to join the Standard Route
Applicant satisfies access condition eligibility criteria but does not fully satisfy the ANB moderated self-evaluation score.	May be advised to join an ATB in recommended module(s) or an ANB approved training course on the specific module(s) and submit documentary evidence to the satisfaction of ANB-India for appearing in TI
Applicant satisfies detailed application assessment but fails in the Technical Interview.	At the discretion of the ANB, candidates with: A. 40-49% marks i. in one or more modules, may be advised to join an ATB/ANB approved training course for the failed module(s) and submit documentary evidence to the satisfaction of ANB-India OR ii. in one or two modules, may alternatively take up a project aligned with Module 4, but covering the topics of the failed module(s). B. less than 40% marks in any module are advised to join an ATB/ANB approved training course on the failed module(s) and submit documentary evidence to the satisfaction of ANB-India.
Applicant satisfies all the requirements by scoring 50% or above in all four modules	May apply for appearing in final examination.
Applicant's Project is successful [which includes A (ii) + Project Interview]. Two attempts will be allowed.	May apply for appearing in final examination.

The minimum scoring for each module is 50%. Failure of any of the modules means the candidate is not authorized to write the final examination.

IV. Project (Optional)

Candidates who score 40-49% marks in one or two modules may opt to take a project (Refer Table 2). The project shall be in the form of a case study. The purpose of the project is to evaluate the candidate's ability to apply knowledge in the area of Fabrication and Application Engineering (Module 4). The project should be of sufficient complexity and detail that the typical time allocated for completion is 4 weeks for IWE and three weeks for IWT. ANB may accept or reject a project proposal and decide on the structure of the project.

The candidate should make note of the following:

- The Project Proposal in the form of an abstract must have a well-defined problem statement and objective, background of the problem/issue with relevant literature survey, experimental methodology, type of experimental/ plant data and type of analysis of planned.
- Candidates opting for project, will be asked to submit at least two properly framed short (two pages) project proposals with titles in line with the template provided by ANB. An independent examiner nominated by ANB will

identify a suitable project and ask the candidate to work on it and submit the project report within the stipulated time frame. Delay will not be accepted, except for special cases with proper justification.

- The format of the report and other related documents will be provided by ANB in a 'Project documents' folder. Apart from elaborating the points mentioned for project proposal, the project report should have proper analysis of data, discussion of results and pointed conclusions.
- In case the project is carried out at the employer's place, the employer is to sign on the 2nd page of the Project Report as a mark of no objection from employer's side. If done from outside, Project Guide/ HOD may sign on it.
- The Project Report will be evaluated by the Examiner. The shortcomings/ modifications indicated by the examiner will be conveyed to the candidate for compliance. The candidate will be given three opportunities to incorporate the comments and improve the report to get it finally approved by the Examiner. Once approved, the candidate will be required to appear for the project interview (PI) where the candidate is expected to make a presentation on the work done followed by interaction with the project examination panel. Successful defence of the project will allow the candidate to sit for the final written and oral examination.

V. Other Learning Options

Candidates who fail to pass in any of the modules during Technical Interview have the option to join an ATB or ANB approved course (Ref. Table 2). For preliminary information the candidates may contact ANB-India. For specific details like course schedule, applicable fees etc., the candidate need to contact the institute concerned.

VI. Final Examination and Fee Payment

Candidate who clears the Technical Interview or Project Interview are eligible to appear for the final examination. Candidate who are trained at an ATB or any other ANB approved course(s) on failed modules are also allowed to appear in the final examination after providing valid training certificate. The final examination comprising of written and oral tests is conducted by ANB-India following the full IAB curriculum. For appearing in the examination, the candidate is required to submit the 'Examination and Diploma Certificate fees' (Refer SL. No. 3 of Table 3) and attach the payment record in the e-folder.

Please note the following:

- a) Candidate may choose to appear in exam for all four modules at a time or selectively on a few module(s) depending on his convenience and level of preparation. However, for every subsequent appearance, additional re-examination fees is applicable.
- b) For each module the pass mark is 60% in written and 45% in oral examination. However, aggregate pass mark is 60% taking equal weightage for written and oral marks. Candidate must be successful in all the four modules for being eligible for the diploma (IWE/IWT)
- c) There is no provision for offering downgraded diploma (viz. IWE to IWT). One must pass in the category (IWE or IWT) that he/ she has applied for and appeared in the final exam.
- d) If one fails to clear any module, he/ she can reappear for that module after submitting the re-examination fees. However, he/she must be able to pass all modules within 6 years from the date appearing for the first examination (*irrespective of whether appeared for all 4 modules or partially*) with maximum 3 chances for each module including the 1st attempt.
- e) If a candidate fails to clear a module after 3 attempts, he/ she has to compulsorily undergo training at the ATB or join any other ANB approved course(s) to reappear for the exam in that module(s). The candidate must provide evidence of successful completion of training for all the failed module(s) from the appropriate authority to the satisfaction of ANB-India in accordance with the IAB approved guideline.
- f) **At all stages the fees + applicable GST/ Service tax is to be paid in advance and the same is not refundable.** This payment can be made in the name of 'The Indian Institute of Welding ANB' by direct Bank transfer. The details are available in the 'Application Document' folder.
- g) **All fund transfer must be accompanied with properly filled Form DFP_04 and fund transfer record issued by bank.** For company sponsored candidates, in lieu of fund transfer record issued by bank, a certificate of fund transfer in Company letterhead is acceptable.

- h) The tentative calendar for Examination are normally published under 'Alternative Route' in the link <http://iiwindia.com/personnel-qualification-certification/courses-calendar> in the IIW-India website iiwindia.com. It is advised to go through the website at short intervals for any update.
- i) Once cleared for appearing in Final exam, a candidate MUST appear in any **one of the three** subsequent IWCP exams (Alternative or Standard), failing which his/ her candidature may be cancelled at the discretion of ANB-India.

Contact for sending routine enquiry:

Asstt. Manager Marketing & Services ANB-India

IIW-India House, Plot No: 38, Geetanjali Park,
200 Kalikapur Main Road, P.O. Mukundapur,
Kolkata 700 099, INDIA
Tel: +91 33 48150085 (between 12 Noon to 6pm, Monday-Friday)
Mobile: 91 9433140130, e-mail: enq.anb@iiwindia.com,

Contact for clarification:

CoE&T

Mobile: +91 97483 78919, e-mail: anb.technical@iiwindia.com

Controller – ANB Operations

Mobile: +91 93309 90080, e-mail: oprn.anb@iiwindia.com

Effective for Applications received from October 2024
Fees for IWCP Qualification by Alternative Route
(Extract from ANB Fees Document ANB_INDIA:D Fees: r18 2024)

TABLE-3

Fees Excluding GST for Alternative Route (In Rupees)			
Sl. No.	Description	IWE	IWT
1	Application Fee (Non-refundable)	10,000	10,000
2	Registration Fee	30,000	25,000
	Technical Interview for assessment of eligibility		
3	Examination enrolment and Examination Fees for written test and oral examination for four Modules	45,000	40,000
4	TOTAL FEES PAYABLE	85,000	75,000

- Fees payable for additional Project Interview by candidates who are required to appear for the same as per the recommendation of Interview Committee (ref Item 2) will be Rs. 30,000 for proposal and project evaluation followed by interview for IWE & Rs 25,000 for IWT respectively. Out of above project fees, Rs. 5,000 will be towards topic approval.
- Unsuccessful candidates, may be allowed two more chances for each Module to re-appear in the examination but within a span of 6 years from first appearance at the discretion ANB.
- Reappearing in examination covers both written test and oral examination which is same as Standard Route. Fees **payable** for reappearing in each module (IWE/IWT) will be same as the first appearance and will be communicated by ANB Secretariat.
- Diploma issue Fees for all levels are included in the total Examination Fee (Item 3) for Candidates (Written, Oral & Practical as applicable).
- All the above fees are exclusive of GST or any other Taxes & levies (**Our GST ID: 19AAATT5926E1ZC**).
- No charge for reply to preliminary enquiry for consultation before submission of Formal Application along with prescribed Fees and intimation of payment details

VII. Lesson Support to Alternative Route (IWE & IWT) Candidates

- Cornerstone Academy at Chennai is an ATB of ANB-India. They provide lesson materials on payment and conduct online theory classes on the Module subjects which covers 80% of the scope of curriculum. Candidate may attend a module selectively provided there are available slots. The candidates may contact:

Cornerstone Academy

Plot No. 98, 1st Street, Viduthalai Nagar, S.Kolathur,
Thoraipakkam-- Pallavaram 200' Road, Kovilambakkam PO
Chennai – 600129, Mobile: +91 9840855583 / +91 9952949213

e-mail: cornerstonewelding@gmail.com

- Candidates may also attend interactive **Refresher Courses** conducted online by ANB-India covering 20 modules totalling 40 hours. However, this is not intended to cover the entire curriculum of 448 hours for IWE but gives the candidates a broad overview of Fabrication Welding and helps to identify the knowledge gap areas for further self-study of the syllabus given in IAB 252r5-19 guideline.

VIII. Learning References

- IIW Guideline IAB 252r5-19SV which are provided contains the details of learning requirement for each Modules covering the examination.
- Candidates may visit <https://nptel.ac.in/courses/112107090/>, a site maintained by IIT for overall knowledge on welding but the same is not adequate for IWE level and one may need additional study on applications etc.
- AWS Handbooks 5 Volumes to cover
- 'Welding Science & Technology -1',
- 'Welding Processes - 2 & 3',
- 'Materials & Application- 4 & 5'.
- Websites of companies like ADVANI-OERLIKON, LINCOLN ELECTRIC, MILLER, ESAB, KEMPPPI, FRONIUS, HYPER THERM etc. have wealth of information on welding/cutting processes and equipment.
- Candidate should also refer to various Indian & ISO standards related to welding and also Standards which are commonly used in India & elsewhere i.e. EN, AWS and ASME.