


One-Day Training Programme on Welder Qualification as per API 1104 – Welding of Pipelines & Related Facilities



 **22nd August, 2026**

 **Evolve by TCR**
215, Pancham Icon,
Vasna Road, near D-Mart,
Vadodara, Gujarat 390007

 **Fees: INR 8,000/-**
for single person +
GST 18% extra.

 **10% Discount** on total
amount of invoice for 03
or more nominations from
the same organization.

Course Content

- Introduction to API 1104 including scope, philosophy, and pipeline welding applications
- Welding processes and consumables including electrode selection and handling practices
- Welder qualification requirements including test coupons and joint configurations
- Welding test positions (1G, 2G, 5G, 6G) and qualification ranges
- Testing methods including visual inspection, tensile, nick break, and bend tests
- Welding discontinuities, acceptance criteria, and common test failure causes
- Welder qualification validity, continuity requirements, and re-qualification conditions
- Practical pipeline welding challenges, audit observations, and best practices

Who Should Attend

- Welding Engineers and Welding Supervisors.
- Pipeline Construction Engineers
- QA / QC and Inspection Engineers
- NDT Professionals
- Project and Site Engineers
- Maintenance and Integrity Engineers
- Contractors and Fabrication Managers

Objectives of the Training Programme:

- Develop understanding of welder qualification requirements as per API 1104.
- Interpret qualification variables, test positions, and qualification ranges.
- Understand testing procedures and acceptance criteria.
- Reduce welder test failures, rework, and inspection rejections
- Strengthen compliance during client and third-party audits.

Meet The Faculty



Mr. M.N. Patel

- BE & ME in Metallurgical Engineering from Maharaja Sayajirao University of Baroda. Brings over 33 years of teaching experience at undergraduate and postgraduate levels in subjects such as Mechanical Metallurgy, Plastic Deformation of Metals, Welding Metallurgy, Physical Metallurgy, Non-Destructive Testing (NDT), and Failure Analysis.
- He has guided 20+ postgraduate dissertations and published 16 technical papers focusing on weldability of steels, corrosion, stainless steel sensitization, and failure investigations.
- His expertise includes microstructural analysis, material characterization, welding metallurgy, SEM/EDS techniques, and metallurgical failure analysis, with strong application in correlating microstructure to material performance.

Subject Matter Expert (Another Faculty)

Education: ME in Metallurgy Engineering, PhD in Welding Technology.

Experience: 15+ Years of experience in welding consumable testing, consumable selection for similar-dissimilar metals.

Expertise: Welding Processes, Metallurgy, expert in delivering professional training on welding codes ASME SEC VIII Div 1, ASME-IX, BS EN ISO Welding Qualifications WPS-PQR-WPQ.



Mr. Kamlesh Rana, Technical Manager, TCR Advanced

Education: Diploma in Mechanical Engineering.

Experience: 38 years of in QA /QC department of fabrication industry, fitting & Forging manufacturing.

Expertise: ASME Code Specification, specifically Sec IX. VIII, II A,B,C. AWS qualified welding Engg. API Qualified Internal Auditor. ASNT level 2 RT , UT, PT, MPI.

Subject Matter Expert (Another Faculty)

Education: PhD in Metallurgy Engineering, International Welding Technologist (IWT), BS EN ISO 14731 welding coordinators, BS EN ISO 3834 Auditor.

Experience: 12+ Years of experience in Welding Training.

Expertise: Welding Metallurgy of Stainless Steels, dissimilar metal welding, expert in delivering professional training on welding codes ASME SEC VIII Div 1, ASME-IX, BS EN ISO 15614-1, ISO 9606-1, ISO 14732, AWS D1.1, Welding Qualifications WPS-PQR-WPQ.



For NFET/ RTGS/ Bank transfer:

Account No: 05730400000034

IFSC: BARB0INDMAK (5th letter is zero)

Bank: BOB, Makarpura Branch

Merchant Name: TCR ADVANCED ENGINEERING PVT LTD

UPI ID : tcrad93762@barodampay



QR code for payment