



**BETZ ENGINEERING & TECHNOLOGY ZONE**  
**Educational & Research Division**

**American Welding Society - Certified Welding Inspector**  
**AWS-CWI**

**Certification Program for the Year - 2020**



**Authorized International Agency:**

**BETZ ENGINEERING & TECHNOLOGY ZONE**

Door # 21, Dharakeshwari Nagar 1<sup>st</sup> Street, Sembakkam,  
Tambaram to Velacherry Main Road,  
Chennai – 600 073, INDIA.

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[www.welding-certification.com](http://www.welding-certification.com) , [www.betzengineering.com](http://www.betzengineering.com)



## BETZ ENGINEERING & TECHNOLOGY ZONE Educational & Research Division

### About Us...

BETZ Engineering & Technology Zone is an accredited International Agency for American Welding Society, Florida, U.S.A., to conduct Seminars and Certification Programs for AWS in India and Worldwide. BETZ is an ISO 9001:2015 company, also BETZ is the Only ‘ATF – Accredited Test Facility’ of AWS to evaluate and certify welders in India.

“The AWS/CWI Certification is one of the industry’s most reputed Stamps of approval. Industry professional who qualify for CWI are highly regarded and sought after throughout the Welding and QA/AC industry, because certification adheres to a highly documented level of skill & capability

BETZ has been assessed and accredited by NABL in accordance with the standard ISO/IEC/17025 in the field of Testing , Non-Destructive Testing & Mechanical Testing, Certificate # TC 5030

Month	SITE CODE	AWS CWI Dates	Exam Date	Seminar & Exam City
January	IN67220	23 to 30	January 31, 2020	Chennai
February	IN67520	21 to 28	February 29, 2020	Chennai
March	IN67920	23 to 30	March 31, 2020	Chennai
April	IN68220	22 to 29	April 30, 2020	Chennai
May	IN73420	23 to 30	May 31, 2020	Chennai
June	IN68620	22 to 29	June 30, 2020	Chennai
July	IN74720	23 to 30	July 31, 2020	Pondicherry
August	IN68920	23 to 30	August 31, 2020	Chennai
September	IN69320	22 to 29	September 30, 2020	Chennai
October	IN69620	23 to 30	October 31, 2020	Chennai
November	IN77620	22 to 29	November 30, 2020	Chennai
December	IN70120	22 to 29	December 30, 2020	Chennai

**Application must be emailed to BETZ no later than (5) weeks before the test date**



## BETZ ENGINEERING & TECHNOLOGY ZONE Educational & Research Division

### Eligibility:

MINIMUM EDUCATION	MINIMUM WORK EXPERIENCE
Bachelor or higher degree in welding engineering or welding technology - (4) years maximum substitution	Minimum of (1) years welding based work experience
Associate or higher degree in welding or non-welding related engineering technology, engineering, or a physical science - (3) years maximum substitution	Minimum of (2) years welding based work experience
Engineering/Technical courses that can be applied to Bachelor or higher degree in Welding - (2) years maximum substitution	Minimum of (3) years welding based work experience
Trade/Vocational courses - (1) year maximum substitution for successfully completed courses	Minimum of (4) years welding based work experience
High school diploma or approved high school equivalency diploma	Minimum of (5) years welding based work experience

### Seminar Pattern

Four Days of the seminar will be used to cover the **(Part-A)** “Fundamentals” part of the examination that covers all the facets of AWS QC1:2016, Welding Processes, Heat Control & Metallurgy (carbon and low-alloy steel), Weld Examination, Welding Performance, Definitions and Terminology, Symbols – Welding and NDE, Test Methods – NDE, Reports and Records, Duties and Responsibilities, Safety, Destructive Tests ,Cutting, Brazing, Soldering.



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Two Day will be used to cover the **(Part-B)** “Practical applications” Part of the Examination. Workmanship Requirements and Visual Inspection Acceptance Criteria – Structural Steel, Pipeline, Pressure Piping, Procedure Qualification Requirements, Performance Qualification Requirements. This will expose you to actual visual inspection tools, gauges, weld replicas and further to the acceptability are rejection criteria of sample weldments based on the Book of Specification

Two Day Will be used to expose and refresh your skills in comprehend the welding code books **(Part-C)** including qualification of welding Procedure. Materials and Design, Fabrication, Inspection and Qualification .(All candidates should bring their own Code Book)

- API 1104 Pipeline
- AWS D1.1 Structural Steel
- AWS D1.2 Structural Aluminum
- AWS D1.5 Bridge Welding
- AWS D15.1 Railroad
- AWS D17.1 Aerospace
- ASME Pressure Vessel Section VIII, Div. 1 and Section IX
- ASME Pressure Piping B31.1 and B31.3, and Pressure Vessel Section IX

### Exam Pattern

Examination	Number of Question	Duration	Min % to pass	Pattern
<b>Part A - Fundamentals</b>	150	2 Hrs	72 %	Closed Book
<b>Online Prometric Exam</b>				
<b>Part B – Practical</b>	46	2 Hrs	72 %	Closed Book
<b>Paper Exam at BETZ</b>				
<b>Part C – Code Book</b>	60	2 Hrs	72 %	Open Book
<b>Online Prometric Exam</b>				



## **BETZ ENGINEERING & TECHNOLOGY ZONE**

### **Educational & Research Division**

#### **Key Beneficiaries of the Event**

Though the seminar and certification gives a career boost for all individuals in engineering domain, it is specifically recommended for the professionals in the following category:

- ❖ Welding Foremen
- ❖ Field Inspectors
- ❖ QA/QC Inspectors and Engineers.
- ❖ Field Service Staff
- ❖ Engineers and Supervisors.
- ❖ Erection & Construction Engineers
- ❖ Supervisor Field Experience
- ❖ Certified Welders & NDT Professionals.

#### **Registration Process**

All the registrations are to be completed preferably Five ( 5 ) weeks prior to the commencement of seminar with full payment to avoid disappointment. For more information call us on 9840175179 / 9551665683.  
E-mail: [registration@welding-certification.com](mailto:registration@welding-certification.com) / [rg\\_ganesan@yahoo.com](mailto:rg_ganesan@yahoo.com) Upon completion of registration process, candidates can collect their Hard copy of study materials and AWS QC1:2016 Specification for AWS Certification of Welding Inspectors. This will help candidates to start their preparations immediately.

#### **Training Venue**



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&  
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Door # 21, Dharakeshwari Nagar 1<sup>st</sup> Street,  
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[www.welding-certification.com](http://www.welding-certification.com) ,  
[www.betzengineering.com](http://www.betzengineering.com)



## **BETZ ENGINEERING & TECHNOLOGY ZONE** **Educational & Research Division**

### **Mode of payment**

The Seminar fees/payment must be made in Indian Rupees by Bank Draft or Wire Transfer to the following account.

NAME : BETZ Educational & Research Division  
BANK : KARUR VYSYA BANK LTD  
BRANCH : ALANDUR  
ACCOUNT NUMBER : 1104115000021458  
IFSC : KVBL0001104

The Examination Payment must be made in US dollars by Bank Draft (or) Wire Transfer to the following account

#### **Bank Account Details & Address:**

**Betz Engineering Inc.**  
**322271627- Routing Number**  
**507618335- Account no**  
**Swift : CHASUS33**  
**JP Morgan Chase**  
**334 S Diamond Bar Blvd**  
**Diamond Bar, CA 91765**

<b>Fee Details</b>	
<b>Seminar Fee</b>	Rs.25,000/-
<b>Examination Fee</b>	US\$ 1080
<b>Online Exam Fee for Prometric Centre</b>	US\$ 120 ( Two Exam Paper)
<b>Accommodation Fee</b>	Rs.5,000/- ( 9 Days )