

# **AWS - CWI**

# **AMERICAN WELDING SOCIETY**

## **CERTIFIED WELDING INSPECTOR**

**SEMINAR & EXAMINATION**

**2014 PROGRAMS**

**INDIA**

**Gavade Institute of Nondestructive Testing & Training**

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Maharashtra State INIDA

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Website : [www.gindt.com](http://www.gindt.com) (under process)

INVITATION:

A pioneer organisation in India organising training and certification programs in Non-Destructive Testing (NDT) & Welding Inspection (WI) has international agency agreement with American Welding Society, USA for presenting their

## **AMERICAN WELDING SOCIETY**

CERTIFIED WELDING INSPECTOR (CWI), Training and Test Program in India.

It is needless to point out that with the increased awareness of quality and the global recognition of quality systems based on ISO 9000, training and certification programs have become the need of the hour.

Requirements of CERTIFIED WELDING INSPECTORS in India, Asia Pacific & Middle East Asia are increasing in quantum leaps. If you are looking for a career in Oil and Gas Exploration and looking for jobs abroad.

Our forthcoming programs in 2014 will be as follows:

Participation in the seminar will be limited and hence will be based on "FIRST COME - FIRST SERVED" basis.

I cordially invite you to participate in this quality improvement program and benefit thereby.

Best Regards

Sunil B. Gavade

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## AWS-CWI 2014

### Certified Welding Inspector

FEBRUARY PROGRAM (VENUE: Belgaum or Mumbai, INDIA)

SEMINAR : 10 - 15, FEBRUARY 2014

EXAMINATION : 17, FEBRUARY 2014

MARCH PROGRAM (VENUE: Belgaum or Mumbai, INDIA)

SEMINAR : 24 – 29, MARCH 2014

EXAMINATION : 31, MARCH 2014

JUNE PROGRAM (VENUE: Belgaum or Mumbai, INDIA)

SEMINAR : 23 – 28, JUNE 2014

EXAMINATION : 30, JUNE 2014

AUGUST PROGRAM (VENUE: Belgaum, or Mumbai, INDIA)

SEMINAR : 18 – 23, AUGUST 2014

EXAMINATION : 25, AUGUST 2014

SEPTEMBER PROGRAM (VENUE: Belgaum, or Mumbai, INDIA)

SEMINAR : 22 – 27, SEPTEMBER 2014

EXAMINATION : 29, SEPTEMBER 2014

DECEMBER PROGRAM (VENUE: Belgaum, or Mumbai, INDIA)

SEMINAR : 22 – 27, DECEMBER 2014

EXAMINATION : 29, DECEMBER 2014

## WHO SHOULD ATTEND?

All personnel responsible for making decisions, exercising judgements applicable to welding operations in power generation, petrochemical, oil and gas, fertilizer, shipbuilding and maintenance, structural fabrication, offshore & onshore structure fabrication, etc.

### DO YOU QUALIFY?

To qualify as a Certified Welding Inspector, you must pass a vision test and have a combination of qualifying education and work experience, with supporting documentation:

MINIMUM EDUCATION	MINIMUM WORK EXPERIENCE
Associate or higher degree in engineering technology, engineering, or a physical science	3 years
High school diploma plus two or more years engineering/technical school courses	3 years
High school diploma plus one year engineering/technical school courses or one or more years of vocational education and training in a welding curriculum	4 years
High school diploma or approved high school equivalency diploma	5 years
At least 8th grade	9 years
Less than 8th grade	12 years

WELDING ENGINEERS

WELDING INSPECTOR

QUALITY CONTROL ENGINEERS & SUPERVISORS

QUALITY ASSURANCE ENGINEERS & SUPERVISORS

TECHNICAL SERVICES ENGINEERS & SUPERVISORS

ERECTION & CONSTRUCTION ENGINEERS & SUPERVISORS

EXAMINATION & CERTIFICATION

The AWS-CWI examination consists of THREE Tests – Fundamentals, Practical and Code Book Examination.

The CWI exam consists of three two-hour parts. (Certified Welding Educator [CWE] candidates only have to take the first two parts.)

**Part A:** Fundamentals. This two-hour, 150-question closed-book test covers all facets of welding processes and nondestructive examination.

**Part B:** Practical Applications. This two-hour, hands-on test will require you to answer 46 questions using actual visual inspection tools with plastic replicas of welds, and a sample codebook (“Book of Specifications”), which will be provided for the exam.

**Part C:** Open-Book Code Application.

This two-hour, open-book test includes 46–60 questions establishing your ability to find and comprehend information in one of your choice of five welding codes. Most candidates choose either D1.1 or **API 1104**, and AWS offers preparatory Code Clinics for each.

You may also take Part C to several other codes; however, no AWS Code Clinics or study materials are offered for them: AWS D1.2/D1.2M (Aluminum); D1.5M/D1.5 (Bridge Welding Code); AWS D15.1 (Railroad Welding Code); ASME Boiler and Pressure Vessel Code Sections VIII and IX, or ASME Section IX, B31.1, and B31.3. The Welding Inspection Technology Workshop and the Visual Inspection Workshop (without a Code Clinic) would be the best choice if you are taking Part C to one of these alternative code books.

### **Exam Scoring Requirements.**

CWI: Completion of Parts A, B, and C with a minimum score of 72% in each part.

CAWI: Completion of Parts A, B, and C with a minimum score of 60% in each part.

CWE: Completion of Parts A and B with a minimum score of 60% in each part.

Candidates who intend to renew CWI Certification after 9 years can appear for a 9 year re-certification examination (Practical) to get renewed AWS – CWI Certificate.

For candidates scoring 72 % and above, AWS will award the Certificate as Certified welding Inspector. The candidates scoring less than 72 %, but more than 60 % will be issued Certificate as Certified Associate welding Inspector. For scoring less than 60 %, no certificate is issued.

**Note:** AWS-CWI Certificate is Valid for **3 THREE** Years from the date of issue.

**SCWI- Senior Certified Welding Inspector:** **15 Years** of Experience in Welding and AWS-CWI, **2** times renewal (6 Years).

## REGISTRATION FEES PER CANDIDATE

Examination	Fees
SEMINAR AND EXAMINATION (Fresh Candidates)	Rs. 25,000/- (Including Service Tax @ 2.36%)+ US\$ 950/-
SEMINAR ONLY (Fresh Candidates)	Rs. 25,000/- (Including Service Tax @ 12.36%)
SEMINAR FEES (Re-exam Candidates) (without course material)	Rs. 10,000/- + Rs.1236/-(S.T) *
<b>EXAMINATION ONLY</b>	<b>US\$ 1000</b>
RE-EXAMINATION (ONE PART ONLY)	US\$ 450/-*
RE-EXAMINATION (TWO PARTS ONLY)	US\$ 750/- *
RE-EXAMINATION (ALL THE THREE PARTS)	US\$ 850/- *
9 YEAR RE-CERTIFICATION EXAMINATION ONLY	US\$ 950/-
SEMINAR FEES (2 days) FOR 9 YEAR RE-CERT. EXAM / RE-EXAM CANDIDATES	RS. 4,000/- + Rs.495/-(S.T) ( S.T- Service Tax @ 12.36%)

\*( S.T- Service Tax @ 12.36%)

\* Applicable for candidates who have taken seminar and examination earlier

### ABOVE FEES INCLUDE :

- 6 days of lectures & practical's with coffee breaks and lunches (2 days seminar for 9 year re-certification examination)
- 1 day examination with coffee & lunch (for those attending examination)
- 1 set of course materials (for those attending full seminar)
- Certificate of Participation
- **Complimentary one year membership in AWS**
- AWS Certified Welding Inspectors Certificate for those who pass the examination

1.0 Seminar Fees in Indian Rupees shall be made as crossed D.D. in favour of IQC TRAINING & SERVICES PVT LTD, payable at any scheduled bank in Chennai.

2.0 Examination Fees in US\$ shall be made as crossed DD in favour of **AMERICAN WELDING SOCIETY** payable at **NEW YORK, USA.**

All drafts (both US\$ and Indian Rupees) shall be sent to **Gavade Institute of Nondestructive Testing & Training**, India, along with the Registration Form.

Companies who register three or more candidates for the same seminar will be entitled to 10% discount of the seminar fees.

### CANCELLATION / POSTPONEMENT :

If cancelled

FOUR weeks prior to the start of the Program :  
10% deduction in the Seminar and exam fees.

Less than FOUR weeks prior to start of the Program :  
25% deduction in the Seminar and exam fees.

If postponed

FOUR weeks prior to the start of the Program :  
No deduction in the seminar and exam fees \*  
Less than FOUR weeks prior to start of the Program :  
15% deduction in the seminar and exam fees  
\* Additional fees if any applicable at that time to be paid

## EDUCATION AND EXPERIENCE REQUIREMENT :

**1.0** Each applicant for certification as a Certified Welding Inspector

**1.1** Shall be high school graduate (must have passed 10th examination or equivalent)

**1.2** Shall have not less than five years experience in an occupational function that has a direct relationship to welded assemblies fabricated to national or international standards and be directly involved in one or more of the following :

DESIGN - Preparation of plans and drawing for welements.

PRODUCTION - Planning and control of welding materials, welding procedures and welding operations for weldments.

CONSTRUCTION - Fabrication and / or erection of weldments.

EXAMINATION - Detection and measurement of weld discontinuities and Verification of fabrication requirements.

REPAIR - Repair of welds that are defective.

**1.3** Experience Requirement for Degree holders in Engineering / Physical Sciences and Diploma holders in Engineering :

A minimum of three years relevant experience as per Clause 1.2.

**1.4** For meeting the requirements of experience, the Employment Verification Page in the AWS – CWI Examination Application Form shall be signed by the current or most recent employer. Also a letter is to be furnished from the present company in company letter head indicating the applicants Name, Job title, Period of service and functions. (The AWS – CWI Examination Application Form will be provided by us, on Registration for the Program).

**1.5** Completed AWS CWI Application (either original or scanned copy) should reach us not later than five weeks prior to the Examination date. Candidates submitting application later that the above date may not be allowed to register for the examination by AWS.

**1.6** Shall be familiar with and understand fundamentals of the following processes: SMAW / GTAW / SW / SAW / FCAW / OFW / GMAW / ESW / EGW / RW / LBW / EBW / PAW / Thermal Cutting & Mechanical Cutting / Brazing / Soldering / Thermal Spraying.

**1.7** Shall be familiar with and understand the following examination methods :

VT / UT / RT / MT / PT / AET / LT / ET

**1.8** Shall pass an eye - examination to prove near vision acuity and color perception test.

**Gavade Institute of Nondestructive Testing & Training**

**AWS-CERTIFIED WELDING INSPECTOR  
2014 PROGRAMS  
REGISTRATION FORM  
FRESH CANDIDATES**

PLEASE TYPE OR WRITE IN BLOCK LETTERS.

NAME / SURNAME : \_\_\_\_\_

COMPANY : \_\_\_\_\_

DEPARTMENT : \_\_\_\_\_

MAILING ADDRESS : \_\_\_\_\_

TELEPHONE : \_\_\_\_\_ (O) \_\_\_\_\_ (R)

FAX : \_\_\_\_\_

EMAIL : \_\_\_\_\_

I AM INTERESTED IN ATTENDING

Venue

Month

SEMINAR AND EXAMINATION \_\_\_\_\_

SEMINAR ONLY \_\_\_\_\_

EXAM ONLY \_\_\_\_\_

I AM SPONSORED / NOT SPONSORED BY MY COMPANY.

THE FEES ARE ENCLOSED AS FOLLOWS :

RS. \_\_\_\_\_ DD NO. \_\_\_\_\_

DATE \_\_\_\_\_ BANK \_\_\_\_\_

US \$ \_\_\_\_\_ DD NO. \_\_\_\_\_

DATE \_\_\_\_\_ BANK \_\_\_\_\_

SIGNATURE AND  
SEAL OF SPONSOR

SIGNATURE OF  
INDIVIDUAL



**Gavade Institute of Nondestructive Testing & Training**

**AWS-CERTIFIED WELDING INSPECTOR  
2014 PROGRAMS  
REGISTRATION FORM  
RE-EXAM CANDIDATES**

PLEASE TYPE OR WRITE IN BLOCK LETTERS.

NAME / SURNAME : \_\_\_\_\_

COMPANY : \_\_\_\_\_

DEPARTMENT : \_\_\_\_\_

MAILING : \_\_\_\_\_

ADDRESS : \_\_\_\_\_

TELEPHONE : \_\_\_\_\_ (O) \_\_\_\_\_ (R)

FAX : \_\_\_\_\_

EMAIL : \_\_\_\_\_

DATE OF ORIGINAL TEST : \_\_\_\_\_

HAVE YOU ATTENDED RETEST EARLIER : YES / NO

(TICK AS APPLICABLE)

IF YES, DATE OF EARLIER RETESTS : \_\_\_\_\_

PLEASE FURNISH COPY OF YOUR PREVIOUS MARK SHEETS.

PART(S) TO BE TAKEN FOR RETEST :

PART A / PART B / PART C / ALL PARTS

(TICK AS APPLICABLE)

PLEASE NOTE THAT YOU SHOULD ATTEND FULL SEMINAR IF YOU ARE TAKING RE-EXAM MORE THAN ONCE OR AFTER ONE YEAR.

I AM INTERESTED IN ATTENDING

	Venue	Month
SEMINAR AND RE-EXAM	_____	_____
2 DAYS SEMINAR & RE-EXAM	_____	_____
RE-EXAM ONLY	_____	_____

I AM SPONSORED / NOT SPONSORED BY MY COMPANY.

THE FEES ARE ENCLOSED AS FOLLOWS :

RS. \_\_\_\_\_ DD NO. \_\_\_\_\_

DATE \_\_\_\_\_ BANK \_\_\_\_\_

US \$ \_\_\_\_\_ DD NO. \_\_\_\_\_

DATE \_\_\_\_\_ BANK \_\_\_\_\_

SIGNATURE AND  
SEAL OF SPONSOR

SIGNATURE OF  
INDIVIDUAL