



# PROSPECTUS



PAINTS AND  
COATINGS  
SKILL COUNCIL 

 qualityaustria  
central asia  
ISO 29990 : 2010

 ASNT Corporate  
Partner



# BLASTLINE INSTITUTE

OF SURFACE PREPARATION & PAINTING

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## The BLASTLINE India (P) Ltd.

Blastline India (P) Ltd consists of a group of business entities catering to every need of the anti-corrosion industry in the country with overseas presence in various countries like Saudi Arabia, Kuwait, Qatar, Bahrain, UK and USA through their Associate Companies.

Led by a dynamic management team, it has been able to adopt to changing needs of the Industry and has forayed into all related niche areas like production and export of Machines , Accessories, Abrasives other specialized equipments and instruments used in the Anti-corrosion industry. It is also involved in major contract works in India and abroad as well as imports and distribution of high quality coating equipments and systems of foreign manufacturers.

Being passionate about the need for excellence in this Industry, having recognized the lack of facilities to train qualified professionals in this field, and as part of fulfilling their social commitment to the Industry, Blastline india has established a state-of-the-art training center in Cochin backed by various International Certification Bodies.

## The Institute

**The Blastline Institute of Surface Preparation and Painting (BISP)**, was originally established in 2006 to mould professionals in industrial grade anti-corrosion applications. However, its gamut of training programs was later expanded to include International Certifications in Welding and Coating Inspection as well as Non-Destructive Testing (NDT).

We have corporate partnerships or grading compatability with renowned international organizations such as :

1. **SSPC** ( Society for Protective Coatings, USA)
2. **NACE** ( National Association of Corrosion Engineers, USA )
3. **ASNT** ( American Society for Non-Destructive Testing, USA )
4. **TWI** ( The Welding Institute, UK )

BISP is also an authorised Training & Examination Center in "Painting and Coating" skill sector approved by National Skill Development Corporation (**N.S.D.C.**) - a body constituted by Government of India under its "Skill India" initiative.

Training programs conducted by BISP are executed by highly experienced Engineers and Instructors with the help of latest machineries and tools. The training and certification is so complete and up-to-date that those who pass out from BISP and enter the industry shall not be found wanting in their skills, capabilities or qualification.

## Why Certification?

Indian Education system, is highly knowledge-centric, the consequence of which is that we have a large pool of talent having ample scientific knowledge but little skill in practically applying it in the real world.

This is where we step in. Having acquired many years of experience in the Protective Coating Industry, engineers of Blastline India (Pvt) Ltd know the exact requirements of the industry and what kind of training is required for personnel working in various levels of project execution.

## Training Technique

BISP follows internationally approved training seminar methodology. The batch size is limited to 20 students wherein there is ample room for togetherness, friendship, mutual respect and close interaction between faculty and students.

Personal attention is provided in a highly comfortable air-conditioned classroom and excellent results are ensured by :

1. Highly experienced professional Trainers
2. Continuous up-gradation of training methods.
3. High quality course materials and handouts.
4. Optimum use of electronic media presentations.
5. Industry visits and hands-on practical Classes
6. Study of cut-away sectional models
7. Ample provision of machineries, lab equipments, gauges, instruments and test specimens.



## Training Programs Conducted by International Certification Bodies



### How can Certifications accelerate my career growth?

The global job market is a highly competitive world where specialization is the order of the day. The job roles have become so complex that an employee with “Generic” skills is not in very high demand.

Also, unlike olden times, the personal safety at the work place, and protection of environment is being given paramount importance leading to an increased demand for Quality Control personnel.

New Rules, regulation and standards are getting created across the world and countries and organizations are mandated to enforce these. It has reached such epic proportions that any one with a reputed QC Inspector’s Certificate immediately finds a new employment or faster promotions in his current workplace.

### Why do these certifications seem to be expensive ?

Fact of the matter is that, in certain industries, by virtue of their long standing tradition of quality and integrity, skill certification by some European or US based organizations enjoy a lot of credibility in the worldwide job market. Inculcation of global standards by affiliating with these entities sometimes results in some additional costs as follows:

- Highly paid professionals as faculties.
- Indian Rupee Exchange rate with USD and EURO .
- High Cost of equipments and training facilities.
- Exacting standards of student comforts.
- Global standards of class room ambience.

However, remuneration earned by successful candidates post-certification still makes it highly worthwhile.

### Courses certified by TWI



**TWI** stands for “The Welding Institute” (UK) and their training methods are accepted as the Industry standard worldwide and their examinations and certification is considered to be the most authentic in the Coating and Welding industry.

**BGAS** stands for “British Gas Approval Scheme” and it happens to be the most widely accepted standard for Industrial Grade Protective Coating applications - worldwide. BGAS standards are modeled into training courses by TWI and certification exams are conducted by them and these are popularly known as BGAS Certification Programs.

**CSWIP** Stands for “Certification Scheme for Welding Inspection Personnel” and it is a widely accepted standard for welding inspectors world wide.

**BISP** has an official corporate training agreement with TWI to organize courses and grading examinations to certify Coating and Welding Inspectors at globally recognized standards in industrial protective coating & welding.

Following are the BGAS and CSWIP courses available at BISP :

- CSWIP 3.1 WELDING INSPECTOR LEVEL-2
- CSWIP 3.2 SENIOR WELDING INSPECTOR LEVEL - 3
- BGAS PAINTING INSPECTOR GRADE 2
- BGAS PAINTING INSPECTOR GRADE 1 (Specialization in offshore Structures)
- BRIDGE COURSE FOR AWS-CWI to CSWIP 3.1



## The Potential

It is estimated that approximately 20 million tons of industrial paint is produced annually world-wide. Such large amount of paint requires a proportionately large number of personnel for its application, supervision and quality control.

Structural work, metal fabrication and piping is also a multi-billion industry in which there is a huge demand for personnel with Quality Control certifications related to welding.

“Non-Destructive Testing” is another field which offers a great career opportunity in a wide group of analysis techniques used in science and industry to evaluate properties of a material, component or system without causing damage to the object getting tested. Because NDT does not permanently alter the article being inspected, it is a highly valuable technique that can save both money and time in product evaluation, troubleshooting and research.

There is a tremendous shortage of qualified persons in the above mentioned areas. To fill the huge gap between demand and supply of such personnel, BISP offers Internationally recognized certificate courses right at your doorstep - in Cochin. And the demand is ever-increasing for qualified Blasters, Painters, Painting Supervisors, Painting Inspectors, Welders, Welding Inspectors and Non-Destructive Test (NDT) Personnel - especially in Middle East, Europe, Far East and within the Country.





## API CERTIFICATE PROGRAMS

### American Petroleum Institute (API) – ICP (Individual Certification Programs)



Since 1989, API's Individual Certification Programs (ICP) have provided the petroleum and petrochemical industries with an independent and unbiased way to evaluate the knowledge and experience of technical and inspection personnel. These certification programs are based on the industry-developed standards that are recognized and used with confidence worldwide.

ICP testing, developed in partnership with industry leaders, confirms that certified inspectors and personnel will demonstrate competence in content areas that are relevant to their practices. API's certifications have come to be regarded as the most demanded and desired credentials in the industry. They provide applicants with means to improve their skills through learning and strengthening their overall job performance. API certified inspectors and personnel are recognized worldwide as professionals who are fully knowledgeable of the relevant industry inspection codes and standards, and who are capable of performing their jobs in accordance with the latest and most acceptable industry inspection practices.

API certification allows qualified personnel to establish a career path and make valuable contributions to the safety and quality of industry operations.

#### **API's individual certification programs benefit the industry by:**

- Providing knowledgeable specialized inspectors
- Establishing a minimum standard of knowledge and skill for the personnel
- Providing higher management control of inspection practices
- Increasing employer's confidence and peace-of-mind
- Helping maintain safety and high level of performance
- Reducing potential for downtime because of equipment failure.

### API 510 ( PRESSURE VESSEL INSPECTOR )

We provide preparatory training for this examination while the API examinations are conducted and certifications awarded by the “American Petroleum Institute” of USA.

#### **Course Content :**

The training and examination will be based on 8 Codes ( publications ) as shown below :

- Pressure vessel inspection Code ( API 510 )
- Damage Mechanisms affecting fixed equipment in the refining industry ( API RP 571 )
- Inspection of pressure vessels ( API RP 572 – excluding all annexes )
- Inspection of pressure relieving devices ( API RP 576 )
- Welding Inspection and Metallurgy ( API RP 577 )
- Non-destructive examination ( ASME Section V )
- Rules for Constructing Pressure vessels ( ASME Section VIII Div 1 )
- Welding and Brazing Qualifications ( ASME Section IX )





## API 570 ( PIPING INSPECTOR )

We provide preparatory training for this examination while the API examinations are conducted and certifications awarded by the “American Petroleum Institute” of USA.

### Course Content :

- The training and examination will be based on 9 Codes (reference books) as shown below :
- Inspection, repair, alteration and rerating of In-service piping systems ( API 570 )
- Inspection Practices for piping system components ( API RP 574 )
- Welding Inspection, NDT and Metallurgy ( API RP 577 )
- Damage Mechanisms affecting fixed equipment in the refining industry ( API RP 571 )
- Material verification program for new and existing alloy piping systems ( API RP 578 )
- Non-Destructive examination ( ASME Section V )
- Welding and Brazing qualifications ( ASME Section IX )
- Pipe flanges and flanged fittings. (ASME B 16.5)
- Process piping ( ASME B 31.3 )

## API 571 ( DAMAGE MECHANISM )

This recommended practice provides general guidance as to the most likely damage mechanisms affecting common alloys used in the refining and petrochemical industry and is intended to introduce the concept of service-induced deterioration and failure modes. These guidelines provide information that can be utilized by plant inspection personnel to assist in identifying likely causes of damage; to assist with the development of inspection strategies; to help identifying monitoring programs to ensure equipment integrity.

We provide preparatory training for this examination while the API examinations are conducted and certifications awarded by the “American Petroleum Institute” of USA.





## API 577 ( WELDING AND METALLURGY )

This recommended practice (RP) provides guidance to the API authorized inspector on welding inspection as encountered with fabrication and repair or refinery and chemical plant equipment and piping. This RP includes descriptions of common welding processes, welding procedures, welder qualifications, metallurgical effects from welding, and inspection techniques to aid the inspector in fulfilling their role implementing API 510, API 570, API 653 and API 582.

We provide preparatory training for this examination while the API examinations are conducted and certifications awarded by the “American Petroleum Institute” of USA.

## API 653 ( ABOVE GROUND STORAGE TANK INSPECTOR )

We provide preparatory training for this examination while the API examinations are conducted and certifications awarded by the “American Petroleum Institute” of USA.

### Course Content :

- API Publications API Recommended Practice 571
- Damage Mechanisms Affecting Equipment in Refining Industry API Recommended Practice 575
- Inspection of Atmospheric and Low-Pressure Storage Tanks API Recommended Practice 577
- Welding Inspection and Metallurgy API Standard 650
- Welded Steel Tanks for Oil Storage API Recommended Practice 651
- Cathodic Protection of Aboveground Petroleum Storage Tanks API Recommended Practice 652
- Lining of Aboveground Petroleum Storage Tank Bottoms API Standard 653
- Tank Inspection, Repair, Alteration, and Reconstruction
- American Society of Mechanical Engineers (ASME) Boiler & Pressure Vessel Code: Section V
- Nondestructive Examination Section IX
- Welding and Brazing Qualifications



### Examination Method :

For enrolling into the API Examinations, candidates will have to visit the API website link [www.api.org/icp](http://www.api.org/icp) ( Apply & Re-certify ), read instructions carefully and follow through step-by-step until they are successfully registered with a confirmation of venue and schedule.

### The on-line examination consists of :

- 3 Hour closed book exam consisting of 100 questions.
- 4 hour open book exam consisting of 50 questions.

### Education and Experience Requirement :

The candidate need to satisfy certain education and experience criteria to gain admission into the program. These are explained in detail on the above mentioned website.

If Qualified as :	Minimum Experience Required in the Respective field	Description of Experience Required
BS or higher in Engineering Technology	1 Year	Supervision or performance of inspection activities as described in API 570
2 year Degree, Diploma or Certificate In Engineering Technology	2 Year	Design, construction, repair, operation, or inspection of pressure vessels, of which one year must be in supervision or performance of inspection activities as described in API 570.
High School Diploma or Equivalent	3 Year	Design, construction, repair, operation, or inspection of pressure vessels, of which one year must be in supervision or performance of inspection activities as described in API 570.
None	5 Year	Design, construction, repair, operation, or inspection of pressure vessels, of which one year must be in supervision or performance of inspection activities as described in API 570.

### Re-certification:

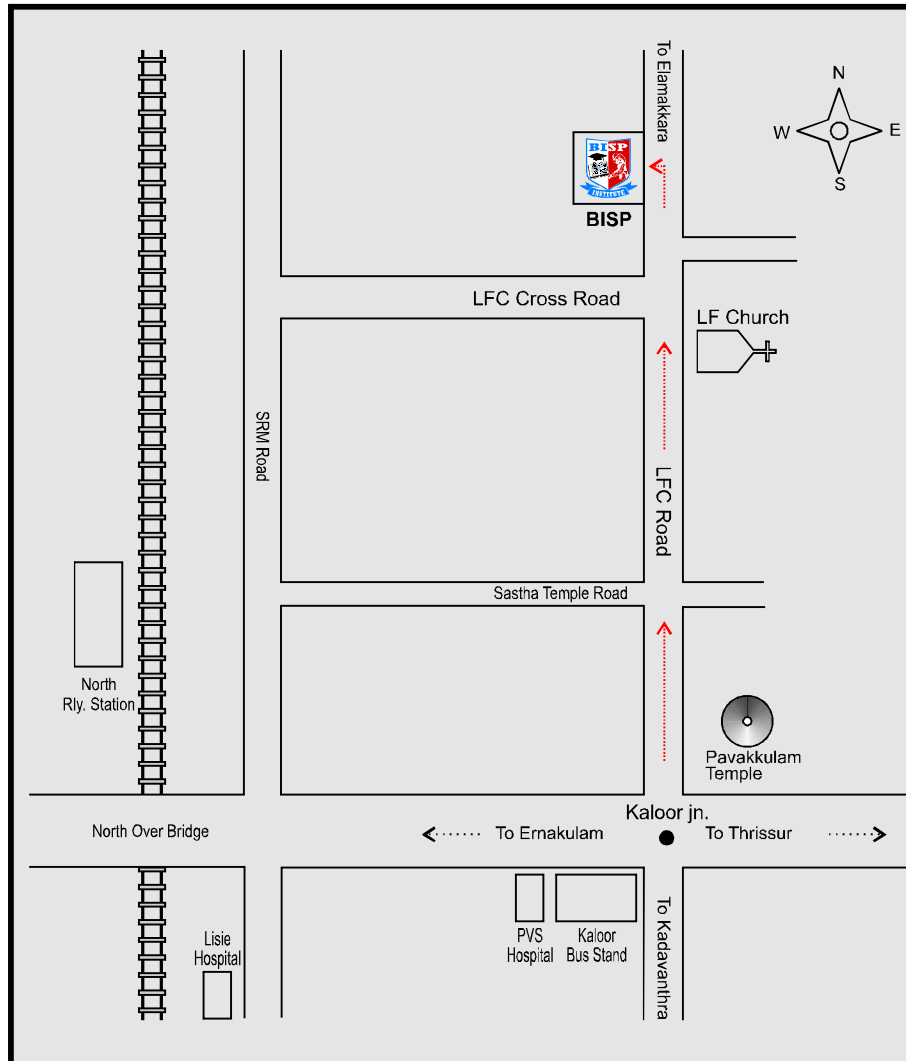
The certification term for API is three years. API inspectors need to apply for recertification every Three (3) years. You may apply for recertification 90 days prior to the Certification expiration date. API also allows a 90-day grace period for submitting a Recertification application. Late fees will apply. If an application is not submitted by the end of the 90-day Grace period, the certification will expire. A new application And fees must be submitted, and a candidate must also take And pass a full examination in order to be recertified.







## ROUTE MAP



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