



# INSTITUTE OF NONDESTRUCTIVE TESTING & TRAINING

401 / 402, 'B' Wing, Pacific Towers, Sagar City, V.P.Road, Andheri ( West ), Mumbai 400058, INDIA.  
Phone, 91-22-26714543, 91- 9867059990 Fax 0091-22-26714543,

e- mail : [info@indtt.org](mailto:info@indtt.org), [training@indtt.org](mailto:training@indtt.org), Website: [www.indtt.org](http://www.indtt.org)



TRAINING FACULTY MR. PRASHANT V. WAGH,  
ASNT LEVEL III ALL METHODS, ASNT ID 86053,  
API ( 510, 570, 653, 580, 577, 571 & 936 Certified Inspector)

**Furnished Accommodation for outstation candidates is available at Andheri, Mumbai on first come basis at Rs 500 per day in Mumbai & Rs 150 per day at Airoli**

INDTT GUARANTEES YOU SUCCESS. YOU ARE LOOKING FOR. IN BOTH API & LEVEL III EXAMINATIONS CONSISTANTLY PROVEN BY OUR PAST UNMATCHED PASSING RESULTS IN INDIA & MIDDLE EAST.

LEVEL III REGISTRATION FEES RS. 1500 PER METHOD  
PRIOR REGISTRATION IS NECESSARY.

## INDTT 2015 SCHEDULE

### API 510: Pressure Vessel Inspector certification seminar

20 <sup>th</sup> March to	25 <sup>th</sup> March 2015	Course No INDTT-API 510 MAR 15	Mumbai, India
4 <sup>th</sup> May to	9 <sup>th</sup> May 2015	Course No INDTT-API 510 MAY 15	Mumbai, India
6 <sup>th</sup> July to	11 <sup>th</sup> July 2015	Course No INDTT-API 510 JULY 15	Mumbai, India
7 <sup>th</sup> Sept to	12 <sup>th</sup> Sept 2015	Course No INDTT-API 510 SEP 15	Mumbai, India
2 <sup>nd</sup> Nov to	7 <sup>th</sup> Nov 2015	Course No INDTT-API 510 NOV 15	Mumbai, India

#### Course Objectives

This course has been designed to train individuals who are interested in obtaining the API 510 Pressure Vessel Inspector Certification, as well as those who are seeking a better understanding of ASME Section VIII and IX code requirements. The course material contains specially designed INDTT course booklet & sets of Open & closed book questions & classroom exercises that have been constantly updated and proven to be valuable for success over the past many years.

#### Topics include:

- Head and Shell Calculations
- Hydrostatic Test Pressure Calculations
- Reinforcement Calculations
- Shell External Pressure Calculations
- Impact Test Requirements and Determination
- Development and Review of Welding Documentation
- NDE Requirements
- API 510, API 572, API 571, API 576, API 577, ASME Sec V, ASME Sec IX & ASME Sec VIII Div I



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## Required Codes & Standards

As in the attached publication effectivity sheet the effective editions of the publications are not required to be carried but will be made available in PDF format during Certification Examination.

For more information, visit

<http://www.api.org/certifications/icp/programs/index.cfm>

## API 570 Piping Inspector

### Course Date/ Venue

26 <sup>th</sup> March to	30 <sup>th</sup> March 2015	Course No INDTT-API570 MAR 15	Mumbai, India
11 <sup>th</sup> May to	15 <sup>th</sup> May 2015	Course No INDTT-API 570 MAY 15	Mumbai, India
14 <sup>th</sup> July to	18 <sup>th</sup> July 2015	Course No INDTT-API 570 JULY 15	Mumbai, India
15 <sup>th</sup> Sept to	19 <sup>th</sup> Sept 2015	Course No INDTT-API 570 SEP 15	Mumbai, India
10 <sup>th</sup> Nov to	14 <sup>th</sup> Nov 2015	Course No INDTT-API 570 NOV 15	Mumbai, India

### Course Objectives

This course has been designed to train individuals who are interested in obtaining the API 570 Piping Inspector Certification, as well as those who are seeking broad knowledge base relating to maintenance, inspection, alteration and repair of in-service metallic piping systems , understanding of ASME B 31.3 and IX code requirements. The course material contains specially designed INDTT course booklet & sets of Open & closed book questions & classroom exercises

### Topics include:

- Corrosion rates and inspection intervals
- Weld joint quality factors , Casting quality factors & increased joint quality factors related calculations
- Calculating pressure design thickness for a straight pipe & permanent blank .
- Pressure testing hydrostatic leak testing, pneumatic leak testing & calculations
- Calculation of minimum metal temperature exempted from impact testing & charpy v-notch impact values .
- Preheating and heat treatment requirements, weld sizes requiring preheating and/or heat treatment. holding time, holding temperature, and brinell hardness & thermal expansion calculations
- Calculation of minimum wall thickness & working pressures for flanges, dimensions of flanges , Maximum Working Pressure of a flange at design temperature, flange material and flange class.
- Minimum required thickness of a permanent blank (asme b31.3, par. 304.5.3)



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**Codes Covered are** API 570, API 574, API 571, API 577, API 578, ASME B 16.5, ASME Sec V, ASME Sec IX & ASME B 31.3,

## Required Codes & Standards

As in the attached publication effectivity sheet the effective editions of the publications are not required to be carried but will be made available in PDF format during Certification Examination.

## API 653 Aboveground Storage Tank Inspector Certification

### Course Date/ Venue

1 <sup>st</sup> April to	5 <sup>th</sup> April 2015	Course No INDTT-API653 APRIL 15	Mumbai, India
18 <sup>th</sup> May to	22 <sup>nd</sup> May 2015	Course No INDTT-API 653 MAY 15	Mumbai, India
20 <sup>th</sup> July to	24 <sup>th</sup> July 2015	Course No INDTT-API 653 JULY 15	Mumbai, India
22 <sup>nd</sup> Sept to	26 <sup>th</sup> Sept 2015	Course No INDTT-API 653 SEP 15	Mumbai, India
17 <sup>th</sup> Nov to	21 <sup>st</sup> Nov 2015	Course No INDTT-API 653 NOV 15	Mumbai, India

### Course Objectives

This course has been designed to train individuals who are interested in obtaining the API 653 Piping Inspector Certification, as well as those who are seeking broad knowledge base relating to tank inspection and repair of aboveground storage tanks, understanding of API 650 & 652 design and IX & other code requirements. The course material contains specially designed INDTT course booklet & sets of Open & closed book questions & classroom exercises.

### Topics include:

- Corrosion rates and Inspection Intervals & Remaining Life determination,
- Calculating minimum thickness or maximum fill height,
- Weld Sizes for Shell & Roof openings
- Understanding Hot Tapping requirements
- Calculating minimum spacing between existing nozzle and a new Hot Tap nozzle.
- Settlement evaluation, Edge Settlement, Bottom Settlement determination.
- Impact testing, toughness, Tank Design Metal Temperature related calculations
- Existing Tank shell - Minimum thickness determination & thickness required for continued service evaluation
- Reconstructed tank shell - minimum thickness , Tank shell - pitting evaluation
- Bottom plate minimum thickness calculation of "mrt1" & "mrt2", minimum remaining thickness at the next inspection.
- Determination of minimum dimensions for a replacement plate & Lap welded patch plates.

**Codes Covered are** API 653, API 650, API 651, API 652, API 571, API 577, API 575 B 16.5 ASME Sec V, ASME Sec IX

### Required Codes & Standards

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## 2015 API EXAMINATION FEES

API Member	Non Member
<b>\$700.00</b>	<b>\$900.00</b>

API 936,571,577 & 580 PREPARATORIES  
ARE CONDUCTED UPON REQUEST & WITH MINIMUM 4 DELEGATES

### API EXAMINATION WINDOWS 2015

Exam Window	Program	Schedule	Application Deadline
January 16 - 30, 2015	510	7 hours	November 21, 2014
February 13 - 27, 2015	570	7 hours	December 19, 2014
March 20 - April 3, 2015	653	7 hours	January 23, 2015
	TES	4 hours	
	1169	3 hours	
April 17 - May 1, 2015	936, 571, 577, 580, SI	4 hours	February 20, 2015
May 15 - 29, 2015	510	7 hours	March 20, 2015
June 5 - 19, 2015	570	7 hours	April 10, 2015
July 3 - 17, 2015	653	7 hours	May 8, 2015
	TES	4 hours	
	1169	3 hours	
August 14 - 28, 2015	936, 571, 577, 580, SI	4 hours	June 19, 2015
September 4 - 22, 2015	510	7 hours	July 10, 2015
October 16 - 30, 2015	570	7 hours	August 21, 2015
November 6 - 20, 2015	653	7 hours	September 11, 2015
	TES	4 hours	
	1169	3 hours	
December 9 - 23, 2015	936, 571, 577, 580, SI	4 hours	October 14, 2015

### Course Fee

**API 510: Pressure Vessel Inspector certification seminar**

Rs 30,000/- per Delegate + 12.36% service tax.

**For API 570 & API 653 Piping & Tank Inspector**

Rs 28,000/- per Delegate + 12.36% service tax



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**For API 580, API 577, API 936, API 571**

**Rs 15, 500/- per Delegate + 12.36% service tax**

This excludes the examination fee but includes Participant's Pack (study material, Folder, Manual, Hand-outs )& Tea & Lunch ,

**Course Venue** - INDTT Training center, 903 , Mahesh Towers, Gilbert Hill, Near Bhavens College Andheri (West), Mumbai ( BEST Bus No 250 directly reaches the training center )

## **Course Certificate**

**INDTT certificate will be issued to the attendees.**

API 510, API 570, API 653, API 936, API 577, API 571, API 580 Examinations are held in Mumbai, Prometric Test Center, Unit 1,2,3, 6<sup>th</sup> floor Techniplex, Veer Savarker,

**Accommodation** can be available in Andheri, Mumbai in our Institute's apartments on first come basis at Rs 500/- per day & At Airoli ( Navi Mumbai) Institute's apartment at Rs 150/-per day

## **INDTT Navi Mumbai Training Center**

**Row House No 2, Sector 3J, Opp Shri Ram School, Airoli , Navi Mumbai 400706**

For API 510/570/653, registration by payment Rs 5000

For API 510/570/653, complete course material Rs 8,500

For API 510/570/653, complete course material with registration Rs 12,500



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## Institute of Nondestructive Testing & Training

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### Registration Form.

Name:

Organization:

Mailing Address

Contact Details Tel:  
E- Mail

Fax:

Qualification:

Experience:

Courses Sought;

#### Course Fee payment Details

Seminar Fees in Indian Rupees along with 12.36% service tax shall be made as crossed DD/Cheque in favor of INSTITUTE OF NONDESTRUCTIVE TESTING & TRAINING, MUMBAI payable In Mumbai.

Cheque / DD No:

Bank:

**DD/Cheques to be sent to our following head office address only.**

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