

Course Duration : 5 Days Training  
Daily Schedule : 7:30am - 3:30pm  
Training Date : Upon Request  
Training Venue : Doha  
Traning Fees : TBI



## API 580 Certification Preparation .course outline

- Introduction of Risk Based Inspection (RBI)
- Definition & Acronyms
- Basic Concepts of RBI
- What is RBI?

### DAY 1

- Planning of the RBI Assessment
- Data and Information collection for RBI
- Deterioration mechanisms and Failure modes
- Assessing POF

### DAY 2

- Assessing COF
- Risk Determination
- Risk Management Through Inspection
- Other Risk Mitigation Activities

### DAY 3

- Re-assessment
- Roles , Responsibilities & Training
- RBI Documentation

### DAY 4

- Deterioration Mechanisms
- Mock Up Examination

### DAY 5

## COURSE OBJECTIVES

The course is based on API RP 580 Risk Based In-spection and API Publication 581, Base Resource Document. The course first explains feasible means and alternatives for achieving a successful RBI program without undue complications. This course deals with RBI framework and method-ology in a simple straight forward manner to establish and implement a risk based inspection program best suited for the company objectives. Its utility is based on the premise that a few vital equipments in a process plant contribute a majority of the risk.

## WHO SHOULD ATTEND?

Individuals who are responsible for Implementing risk based inspection programs within their own company or plant facility and mechanical integrity, equipment reliability, and inspection personnel who are responsible for maintaining the service ability of process plant equipment based on a cost effective inspection program. Maintenance personnel, operations supervisors, and process specialists who are expected to make decisions regarding the suitability of equipment for continued service.



# QATAR TECHNICAL PETROLEUM CENTER

## API 580 – Risk Based Inspection (RBI)

QTPC - AN ISO 9001:2008 Regd.



## About the Instructor



### Mr. K. Ravindran

(ASNT ID NO: 141151), an extremely well experienced NDT level III with certifications in 11 methods including UT, RT, MT, PT, VT, ET, IR, LT, AE, NR & VA. He has an overall experience of 25 years in inspection field of castings, forgings, pressure vessels (Designing, fabrication inspection) and pipe lines inspection.

He is familiar in Destructive and Non-destructive inspection technique, as applicable to Welds, castings, forgings etc as well as inspection of raw materials with relevant specifications. He is thoroughly familiar with all the relevant applicable Codes and Standards for Non-destructive Testing and well versed in the documentation procedures.

Mr. Ravindran also has the AWS CWI (AWS – CWI Cert No 05071771) certification. He is thoroughly proficient in all welding techniques, procedures and WPQ verification and certification for all kinds of welding like SAW, SMAW, FCAW, GTAW, PAW etc for all positions Including 5G & 6G also.

He has have ten years experience in conducting training courses and classes all most in all methods of NDT for LEVEL I & LEVEL II & LEVEL III, welding technology and casting and foundry technology. He is a post Graduate in physics, Post Graduate Diploma in Radiation Protection by Bombay University BARC (INDIA).

He also have the following API's certifications such as; API 510 (Cert. No: 31918), API 653 (Cert. No: 32744), API 570 (Cert No: 33311), API 571 (Cert No: 20990), API 580 (Cert No: 35869), API 577 (Cert No: 35861), ISO 14001 - 2004 EMS Auditor (Cert. No. 06/03/863) and ISO 9000 - 2000 QMS Lead Auditor IRCA (Cert. No: 17120).



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### Registration Form

#### Please Send Your Registration to:

**Tel:** 00974 44581440 /408 **Fax:** 00974 44580414 **E-mail:** antonymgr@qtpc.com.co

#### Course Details

**Course Name:** API 580 – Risk Based Inspection

**Course Date:** Upon Request

**Course Fee:** TBI

**Venue:** TBI

#### Company Information

**Organization**

**Address**

#### HR / Training Manager

**Name :**

**Tel no.:**

**Fax no.:**

**E-mail :**

#### Invoice to be sent to

#### Participant Information

##### Participant # 1

##### Participant # 2

##### Participant # 3

**Full Name :**

**Job Title :**

**Department :**

**Telephone No. :**

**Mobile No. :**

**Fax No. :**

**E-mail Address :**

#### Please Pay by Telegraphic Transfer to:

**Account Name :** QATAR TECHNICAL PETROLEUM CENTER

**Account No. :** 229911

**Bank Name :** Qatar Islamic Bank

**Branch Name & Address:** Main Branch, P. O. Box 559, Grand Hamad Avenue, Doha-Qatar

**SwiftCode :** QISBQAQA