



विद्यारत्नम् महाखनम्

**Rajiv Gandhi Institute of Petroleum Technology**  
(An Institution of National Importance, Government of India)



**Cholamandalam MS**  
Risk Services



# **Certified Process Safety Management Professional**

**October 28-31, 2025**

*Certificate program offered by*  
**Rajiv Gandhi Institute of Petroleum Technology  
&  
Cholamandalam MS Risk Services**

**Email: [edp@rgipt.ac.in](mailto:edp@rgipt.ac.in)**

## About the Program and Partnership

This program is being jointly offered by Rajiv Gandhi Institute of Petroleum Technology (RGPT) and Cholamandalam MS Risk Services. This alliance has been formed to provide the industry with certified professionals who have the right mix of academic excellence and practical skill in the areas of process safety, environment and sustainability.

Backed by the rich experience and credentials of both the organisations in the industry, the program will feature well-researched curriculum designed to benefit professionals with specific emphasis on safety engineering & management solutions. This partnership will serve to bridge the gap between theoretical and practical knowledge, providing the much-needed industrial exposure to the participants. The prime objective of this program is to provide world-class education, training, and research to meet the growing requirements of the world today in safety and risk management.

## About RGPT

The Ministry of Petroleum & Natural Gas (MoPNG), Government of India set up the Rajiv Gandhi Institute of Petroleum Technology (RGPT) at Jais, Dist. Amethi, Uttar Pradesh through Rajiv Gandhi Institute of Petroleum Technology Act 2007. RGPT has been accorded the eminence of being an "Institution of National Importance" along the lines of the Indian Institutes of Technology (IIT). The Institute is empowered to award degrees in its own right. RGPT is co-promoted as an energy domain specific institute by six leading Oil Public Sector Undertaking (ONGC, IOCL, OIL, GAIL, BPCL and HPCL) in association with the Oil Industry Development Board. The Institute has been associating with the leading IITs (Kanpur, Bombay, Roorkee & Guwahati), CSIR Labs (IIT, CIMFR & IIP), IIIT Allahabad and International Universities like Persian Gulf University, Iran and Edith Cowan University, Australia specializing in the domain of Petroleum Technology and beyond.

For more details please visit: [www.rgpt.ac.in](http://www.rgpt.ac.in)

## About Cholamandalam MS Risk Services

Cholamandalam MS Risk Services Limited, part of the INR 381 Billion Murugappa Group, is a 50:50 joint venture with the Mitsui Sumitomo Insurance Group, Japan, offering comprehensive risk management and engineering solutions. With two decades of experience and over 8500 consulting projects across 42 industrial sectors, the company offers best-in-class services to organizations to optimize their EHS (Environment, Health & Safety) performance and set new benchmarks in safety performance.

For more details please visit: [www.cholarisk.com](http://www.cholarisk.com)



## OBJECTIVE

Our ideology is to bring a holistic view of Process Safety Management (PSM) elements and various standards associated with it. The ultimate goal is to drive the culture of process safety, thereby to let the workers identify, understand & manage 'Process Safety Risks' in day to day operations & maintenance activities.

## METHODOLOGY

The program will include interactive lectures given by expert trainers and guest speakers. It also consists of group exercises and case study discussions and various evaluation tools.

## MODE OF DELIVERY

The program will be delivered virtually over RTC platforms (virtual) spread over few days and the candidates are required to have a good internet connection.

## ELIGIBILITY

Engineers, line supervisors, operational managers, and HSE professionals involved in process safety and risk management with five years relevant experience in various industrial sectors like chemical, petrochemical, speciality chemicals, fertilizer, pharma, pulp and paper, steel and cement industries.

## CERTIFICATE

Upon successfully completing all requisites of this course comprising of formative and summative assessments, the participants will receive a certificate issued by RGPT and Chola MS Risk Services Ltd.

## REGISTRATION PROCESS

Interested candidate may visit the [www.rgpt.ac.in/edp/psm](http://www.rgpt.ac.in/edp/psm) to fill application form, pay registration fee and complete registration process. Selected candidates will be intimated by email/phone. The confirmation of admission and registration will be subject to receiving the full payment of program fee.

**Last Date** Will be announced soon.

## Why PSM?

Some of the major disasters which include the 1984 Bhopal Gas tragedy incident in India, resulting in more than 2,000 deaths; the October 1989 Phillips Petroleum Company, Pasadena, TX, incident resulting in 23 deaths and 132 injuries; and the May 1991 IMC, Sterlington, LA, incident resulting in 8 deaths and 128 injuries, drew international attention to the potential for major catastrophes.

In response to such concerns OSHA brought the PSM Standard 1910.119. While some changes were ushered in since these disasters, and industries generally know how to complete a process hazard analysis (PHA), management of change (MOC), an incident investigation, etc., what is incomplete is the ability to ensure comprehensiveness, continuity and completion in implementing PSM successfully. As a result, disasters still continue, i.e., the recent incident in LG Polymers. It is imperative that you have a functional process safety management (PSM) program for deriving benefits.

The course explores key elements of a comprehensive PSM program and how the overall architecture applies to each element, the challenges, way forward and the role of leadership.

### PROFESSIONAL DEVELOPMENT HOUR

Date : October 28-31, 2025

Schedule :

28  
hrs

## TRAINING SESSIONS

### 1 PSM Overview

- Safety vs Process Safety, Importance of Process Safety, History and evolution of International Standards and Regulatory Framework
- Process Safety Culture and Role of Leadership in PSM, Attributes of Inspiring Leaders and Strong PSM Culture
- Process Safety Information – Element Overview, Importance of PSI, Types of PSI, Collection of PSI, familiarisation of formats for capturing PSI, Challenges, Case Study

### 2 Process Hazard Analysis

- Introduction to PHA, Overview of PHA Techniques, Selection of PHA techniques Implementation of recommendation – Key Aspects. Cyclic PHA / Revalidation. Review of PHA methodology (Prerequisites, Team Composition and their attributes)

### 3 Group Exercise 1

- Exercise on PHA

### 4 PSM Culture

- Employee Participation – Overview, Benefits of Employee participation, Various modes of engaging workforce in PSM, Challenges
- Management of Change – Types of Changes, Managing Changes in PSM Perspective, Framework, Evaluating changes
- Group Exercise 2 MOC

### 5 Mechanical Integrity

- Element Overview and its intent, MI Frame work, Damage mechanisms, Risk based Inspection, Testing, Preventive Maintenance program (ITPM), Design code and Engineering standards, Safety Critical Equipment Critical Spares

- Standard Operating Procedure – Overview and its importance, how to write effective operating procedure, Types of Procedures, Standard operating conditions and consequence of deviation
- Group Exercise 3 – Asset Integrity

### 6 Safety Management

- Contractor Safety Management - Institutionalising and integrating contractor safety into the PSM fabric, 5 tier approach, selection, training, Performance monitoring
- Process Safety Incident reporting and Investigation – Element overview, Reporting and its importance, API 754 on Process safety incident classification, Root cause analysis, making recommendations and Lessons learned
- Emergency planning and Response – Key requirement of the element, Identifying probable emergency scenarios, Key personnel responsibilities, Training and Skill development, Drills and performance
- Industry Connect

### 7 Assessment and Close

- Final Exam – 2.30 Hours
- Close out session

### 8 Evaluation Process

- The Final exam will be conducted online. Participant is required to have a good internet connection for the same.
- An attendance of 80% and cumulative score of 45% is required to successfully complete the program and obtain a certificate.
- The final score will be based upon performance in the following evaluation instruments:

Components of Evaluation	Weightage
Individual Quizzes/Assignment	20%
Group Exercise / Projects	30%
Final Exam (Online)	50%

### Course Fee

**Physical Session:** ₹ 75,000/- PLUS 18% GST (includes high tea & lunch) / \$1000 (For International Participant)

**Virtual Session:** ₹ 60,000/- PLUS 18% GST / \$900 (For International Participant)

- Registration closes on \_\_\_\_
- Course Fee mentioned is per delegate.
- Payments to be made on or before \_\_\_\_ via bank transfer
- Fee once paid will not be refunded.
- Fee includes lectures, participant guide, examination and certificate

#### Account Details for NEFT/IMPS:

A/c Holder : Rajiv Gandhi Institute of Petroleum Technology  
Bank : Bank of Baroda  
Branch : RGIPT, Jais Campus  
A/c No. : 59480100000001  
IFSC : BARBOJAICAM (5<sup>th</sup> digit is zero)



## REGISTRATION PROCESS

Step 1 : Submit the online form available on [www.rgipt.ac.in/edp/psm](http://www.rgipt.ac.in/edp/psm) before \_\_\_\_.

Step 2 : An invoice for PSM Program fee will be send by RGIPT to your registered email ID with in 24hrs of submission of application form.

Step 3 : Registration fee can be paid through online portal or NEFT/ IMPS/ RTGS.

– Pay through online portal

[Click Here](#)

OR



– Pay through NEFT/IMPS/RTGS

### Account Details for NEFT/IMPS/RTGS:

A/c Holder : Rajiv Gandhi Institute of  
Petroleum Technology  
Bank : Bank of Baroda  
Branch : RGIPT, Jais Campus  
A/c No. : 59480100000382  
IFSC Code : BARB0JAICAM (5<sup>th</sup> digit is zero)  
MICR Code : 227012204  
SWIFT Code : BARBINBBHRB

### Note:

- Registration closes on \_\_\_\_.
- Payments to be made on or before \_\_\_\_ via fee collect portal/bank transfer.
- Fee once paid will not be refunded.
- The fee includes lectures, participant guide, examination and certificate.
- Overseas participants are advised to pay through NEFT/RTGS.

Step 4 : After successful verification of Registration Fee receipt by the RGIPT your canditure will be confirmed and a confirmation email will be send to the candidate's registered email ID.

[www.rgipt.ac.in/edp/psm](http://www.rgipt.ac.in/edp/psm)



## Whom to Contact



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