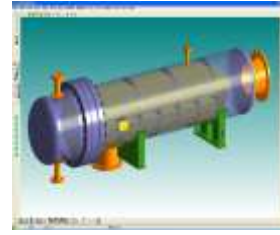


A study on Heat Exchanger & Unit Operations-Distillation



❖ **Webinar Title:**

Unit Operations: Industrial Concepts of Heat Exchangers & Distillation Columns

❖ **Webinar Date:** - 27.10.2020; **Duration:** 02 Hour

❖ **Slot:** 02:30 pm - 04:30 pm

❖ **Expert Speaker**



Jayaraj. N

Chief Manager (Rtd.)
Chennai Petroleum Corporation Ltd
Chennai- 600 068

He has a Petroleum Refinery Professional and Procedure Writer Having 37 years of experience in unit Operations. Plant operation, DCS Operation, Emergency Operation, start up and shut down procedure of various units. Major units Operated and handled: FCCU, CDU, VDU, VBU, DHDT, HGU and OM&S.

Carried out Maintenance and Inspection (M&I) turnaround of process units. Safe shutdown of units, scheduling of equipment hand over, decontamination, making the unit hydrocarbon free, monitoring the Work progress, attending everyday review meeting about the progress of turnaround, taking over of equipment after maintenance, making the unit air free and start-up & stabilization of the units.

❖ **About Webinar:** Heat exchangers are the equipment which play a vital role in improving energy efficiency of any industry. As cost factor involves to produce the required energy, better monitoring and operation of heat exchangers will avoid loss of energy in turn it adds to the profit of the industry.

The concept of distillation probably is the oldest mass transfer unit operation and heat exchanger is the integral part of distillation. Predominantly, distillation process is being used in Petroleum Refineries, distilleries, water purification process, perfumes& food beverages manufacturing, to separate nitrogen from air etc and in every walk of life some or other product in usage is produced by distillation. Heat exchangers will always accompany distillation process to give the sufficient energy.

- ❖ **Webinar Coverage:** Basics of heat exchanger, types of heat exchanger, Heat exchanger Operation, Best practices to fouling in heat exchanger, commissioning and decommissioning of heat exchanger.

Principles of distillation, types of distillation, types of internals of distillation column, functions of distillation column, important parameters to be observed in operation, day to day operational problems, preparing the distillation column for handing over to carry out maintenance work and taking over after maintenance etc.

- ❖ **Register to learn:** Types and importance of Heat exchanger.
- ❖ Better operational philosophy of heat exchanger and thereby improve energy efficiency.
- ❖ Types of distillation and Distillation process
- ❖ Operational issues in distillation column
- ❖ Safe handing over of distillation column for turnaround maintenance and re-commissioning of distillation column after maintenance work.

RD Kanpur