



भारतसरकार

GOVERNMENT OF INDIA

पेट्रोलियम एवं विस्फोटक सुरक्षा संगठन

PETROLEUM & EXPLOSIVES SAFETY ORGANISATION

कार्यालय उप मुख्य विस्फोटक नियंत्रक

Office of the Dy. Chief Controller of Explosives

National Academy for Petroleum & Explosives Safety & Testing Station

18 किमी स्टोन/18 km. Mile Stone

अमरावती रोड, गोंडखैरी, Amravati Road, Gondkhairy

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नागपुर - 440 023./Nagpur-440 023

पत्रांक - A-42016/1/Training19/NAPES&TS

दिनांक :- 10/03/2021

CIRCULAR

Subject: Registration for two weeks certificate course from 05/04/2021 to 15/04/2021 designed for personnel aspiring to obtain recognition as Competent Person and Inspector under the SMPV (U) Rules, 2016.

All personnel aspiring to obtain Recognition as Competent Person and Inspector under Rule 12, Rule 13(2), Rule 18, Rule 19, Rule 33 & Rule 43 of SMPV (U) Rules, 2016 may register for the subject course by sending e-mail to hpsangole@explosives.gov.in by 17.00 hrs on 02/04/2021, only those persons having requisite qualification and experience as per SMPV (U) Rules, 2016 and who have applied online at PESO's website for competent person/inspector under SMPV(U) Rules, 2016 may only register with online competent person application number along with Degree Certificate and CV.

The course will be conducted online through Cisco-WebEx meeting App as per the schedule enclosed as Annexure. The course will be coordinated by National Academy for Petroleum & Explosives Safety & Testing Station, Gondkhairy, and a link will be sent to all registered participants for the Cisco-WebEx Meeting App. and they may join the course online through the above said link.

Encl: - As above.



(M.K. JHALA)

Chief Controller of Explosives (A.C.)

To

All Circle / Sub-Circle / Factory-attached Offices & FRDC, Sivakasi (are advised to give wide publicity to this circular).

Schedule of Two Weeks Certificate Course from 5-4-2021 to 15-4-2021 for the personnel aspiring to obtain recognition as Competent Person and Inspector under SMPV (U) Rules, 2016.

| Sl. No | Topic Description | Date | Duration | Faculty |
|--------|---|------------|-----------------------|--|
| 1 | Basic of Pressure Vessel Design and Engineering | 05-04-2021 | 3:00 PM to 5:00 PM | Shri Niraj Desai, M/s L&T, Hydrocarbon Engineering, Hazira |
| | 1.1 Design code & Scope of SMPV(U) Rules | | | |
| | 1.2 Manufacturer's Responsibility | | | |
| | 1.3 Importance of fabrication tolerances in Pressure vessel fabrication | | | |
| | 1.4 Heat treatment requirement and Material Technical Delivery Condition | | | |
| | 1.5 NDT & Hydro-test requirement | | | |
| 2 | Quality Assurance | 06-04-2021 | 3:00 PM to 5:00 PM | Shri Nirav Desai, M/s L&T, Hydrocarbon Engineering, Hazira |
| | 2.1 What is Quality Assurance and Why Quality Assurance? | | | |
| | 2.2 What is Quality Management System (QMS) and why? | | | |
| | 2.3 Implementation, maintain and monitor the QMS | | | |
| | 2.4 Quality Assurance during Project execution | | | |
| | 2.5 Tools for QA (Quality Planning, Audits, Quality Review, Instrument Calibration, Records, Client/Client repetitive TPI Coordination) | | | |

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| 3 | Welding Engineering | | 07-04-2021 | 3:00 PM to 5:00 PM | Shri Pratik Gandhi, M/s L&T, Hydrocarbon Engineering, Hazira |
| | 3.1 | Overview of Welding & Common Welding Processes | | | |
| | 3.2 | Importance of Welding Qualifications (WPS / PQR / Welder) | | | |
| | 3.3 | Overview of Welding Requirements for ASME BPV Sec VIII – Div. 1, Div.2 | | | |
| | 3.4 | Welding Defects, Causes & Remedies | | | |
| | 3.5 | Welding Flaws & its Detectability | | | |
| | 3.6 | Welding Documentation requirement for fabrication as per SMPV (U) Rules | | | |
| 4 | Quality Control, Inspection & Testing | | 08-04-2021 | 3:00 PM to 5:00 PM | Shri Niyant Mehta, M/s L&T, Hydrocarbon Engineering, Hazira |
| | 4.1 | Overview of Pressure Vessel | | | |
| | 4.2 | Scope and Limitation of Pressure Vessel Inspection | | | |
| | 4.3 | Inspection Planning, Inspection Procedures, Inspector Qualification | | | |
| | 4.4 | Quality control tools, Internal Inspection, External Inspection | | | |
| | 4.5 | Hydrostatic Test | | | |
| | 4.6 | Final inspection | | | |

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| 5 | Non Destructive Examination | | 09-04-2021 | 3:00 PM to 5:00 PM | Shri Satish Mistry, M/s L&T, Hydrocarbon Engineering, Hazira |
| | 5.1 | Introduction, History and need | | | |
| | 5.2 | Process of Non-destructive testing | | | |
| | 5.3 | Three important elements (NDE quality triangle) | | | |
| | 5.4 | NDE qualifications | | | |
| | 5.5 | Interpretation and evaluation of NDE indications | | | |
| | 5.6 | Common NDE methods, its application and limitations | | | |
| | 5.7 | Case Studies | | | |
| 6 | 6.1 | Degassing and Internal Inspection and Hydro testing of Pressure Vessel (Static installation including underground, mounded pressure vessels and Horton spheres and mobile installation) and including testing of Safety Relief Valves and other equipments installed over the Pressure Vessel. | 12/04/2021 15/04/2021 | 3:00 PM to 5:00 PM | Shri M. K. Divekar, Managing Director of M/s Mec Elec Industrial Services, Thane |