



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

e-mail - dyccecdts@explosives.gov.in

नागपुर - 440 023./Nagpur-440 023

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

दिनांक :- 10/03/2021

CIRCULAR

Subject: Online Capacity Building Training Course covering Welding Engineering related to Pressure Vessels, Quality Control, Inspection & Testing of Pressure Vessels and Non Destructive Testing of Pressure Vessels as per SMPV (U) Rules, 2016 from 28-4-2021 to 30-4-2021 for the Controller of Explosives and Dy. Controller of Explosives- reg.

The subject online capacity building program from 28/04/2021 to 30/04/2021 will be conducted by National Academy for Petroleum and Explosives Safety & Testing Station, Gondkhairy, Nagpur. Heads of the Circle and Sub-Circle offices are requested to nominate the Controller of Explosives and Dy. Controller of Explosives of their offices to the subject course.

The nominations may be sent to hpsangole@explosives.gov.in by 17.00 hrs on 27/04/2021.

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 participating officers 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 for Capacity Building Training Course covering Welding Engineering related to Pressure Vessels, Quality Control, Inspection & Testing of Pressure Vessels and Non Destructive Testing of Pressure Vessels as per SMPV (U) Rules, 2016 from 28-4-2021 to 30-4-2021 for the Controller of Explosives and Dy. Controller of Explosives.

Sl. No	Topic Description	Date	Duration	Faculty
1	Welding Engineering	28-04-2021	2:30 PM to 5:30 AM	Shri Pratik Gandhi of M/s L&T Hydrocarbon Engineering Hazira
	1.1 Overview of Welding & Common Welding Processes			
	1.2 Importance of Welding Qualifications (WPS / PQR / Welder)			
	1.3 Overview of Welding Requirements for ASME BPV Sec VIII – Div. 1, Div.2			
	1.4 Welding Defects, Causes & Remedies			
	1.5 Welding Flaws & its Detectability			
	1.6 Welding Documentation requirement for fabrication as per SMPV (U) Rules			
2	Quality Control, Inspection & Testing	29-04-2021	2:30 PM to 5:30 AM	Shri Niyant Mehta of M/s L&T Hydrocarbon Engineering Hazira
	2.1 Overview of Pressure Vessel			
	2.2 Scope and Limitation of Pressure Vessel Inspection			
	2.3 Inspection Planning, Inspection Procedures, Inspector Qualification			

3	2.4	Quality control tools, Internal Inspection, External Inspection	30-04-2021	2:30 PM to 5:30 AM	Shri Satish Mistry of M/s L&T Hydrocarbon Engineering Hazira
	2.5	Hydrostatic Test			
	2.6	Final inspection			
	3.1	Introduction, History and need	Non Destructive Examination		
	3.2	Process of Non-destructive testing			
	3.3	Three important elements (NDE quality triangle)			
	3.4	NDE qualifications			
	3.5	Interpretation and evaluation of NDE indications			
	3.6	Common NDE methods, its application and limitations			
	3.7	Case Studies			