



Government of India

GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP
DIRECTORATE GENERAL OF TRAINING
NATIONAL SKILL TRAINING INSTITUTE KANPUR
NSTI Campus, Udyog Nagar, Govind Nagar, Kanpur-208022

SCHEDULE FOR ONLINE TRAINING PROGRAM ON
OPERATION AND MAINTENANCE OF PSA OXYGEN PLANT

Day	First session 10.30 Hrs.to 12.30 Hrs.	Faculty		Second Session 15.00 Hrs.to 17.00 Hrs.	Faculty
Day One	Units and Measurement of Pressure, Temperature and Volume.	Shri G.C.Shaha, DDT/AO & Shri Ravi Pandey, VI	BREAK	Introduction to Oxygen Generating Plants and its application.	Shri Shammi Jha,ADT & Shri Ritesh Maurya,VI
	Properties of Air, Water and Oxygen.			Types of Oxygen Generation Plant.	
	Industrial Oxygen and Medical Oxygen and its properties.				
Day Two	Layout of PSA Plant.	Shri R.C. Meena, DDT/CITS i/c & Shri Subhash Chander, TO		Compressors, Filters, Safety Valves functions.	Shri G.C.Shaha, DDT/AO & Shri Ravi Pandey, VI
	Components of PSA plant			Gauges, Sensors and Reading of control panel.	
	Working principle of PSA Plant.				
	Detailed operating functions of Major components of PSA Plant.				
Day Three	PSA plant Operating process.	Shri R.K.Sahu, TO & Shri A.K. Kesharwani, TO		Safety precautions before and after operating the plant and its necessities.	Shri Bharat Yadav, TO & Shri Dinesh Kumar, TO
	Regenerative principles and Zeolite Molecular sieve.				
Day Four	Maintenance - PSA oxygen plants and its components. Log Books maintenance and its importance.	Shri Vidyanand, DDT & Shri J.P.Meena, TO		Troubleshooting of PSA Oxygen Plant.	Shri R.K.Sahu, TO & Shri A.K. Kesharwani, TO
Day Five	Storage and distribution techniques.	Shri Shammi Jha,ADT & Shri Ritesh Maurya, VI		ASSESSMENT AND FEEDBACK	Shri Vidyanand, DDT & Shri Subhash Chander, TO

Note: 10 minutes discussion session will be there at the end of every session.