

STUDY GUIDE HYDRO STATION SYSTEM OPERATOR (HSSO)

TEST #8020

INTRODUCTION

The **8020 Hydro Station System Operator (HSSO) Technical Interview Guide** was designed to assess technical knowledge necessary to perform the job. This guide contains strategies and study references to prepare for the interview.

INTERVIEW SESSION

It is important that you follow the directions of the interviewers exactly. During the interview, you may **NOT** leave the interviewing area, talk, smoke, eat, or drink. Since this interview will take approximately one hour, you should consider these factors before the interview begins.

All cellular/mobile phones, pagers or other electronic equipment will NOT be allowed in the interviewing area.

A non-programmable basic calculator will be provided for you to use during the interview. You will NOT be able to bring or use your own calculator during the interview.

INFORMATION GUIDE FEEDBACK

At the end of this Guide you have been provided with an Information Guide Feedback page. If a procedure or policy has changed, making any part of this Guide incorrect, your feedback would be appreciated so that corrections can be made.

INTERVIEW STRATEGIES

INTRODUCTION

Your emotional and physical state during the interview may determine whether you are prepared to do your best. The following list provides common sense techniques you can use before the interview begins.

CONFIDENCE

If you feel confident about passing this interview, you may lose some of your anxiety. Think of the interview as a way of demonstrating how much you know, the skills you can apply, your abilities, the problems you can solve, and your good judgment capabilities.

PUNCTUALITY

Arrive early enough to feel relaxed and comfortable before the interview begins.

CONCENTRATION

Try to block out all distractions and concentrate only on the interview. You will not only finish faster but you will reduce your chances of making careless mistakes. If the interview area becomes noisy or there are other distractions or irregularities, mention them to the interviewers immediately.

UNDERSTAND THE QUESTION

Listen carefully to each of the questions and follow all directions provided by the interviewers.

ANSWER INTERVIEW QUESTIONS

Ensure your answers are precise, complete, unambiguous and succinct.

Remember the techniques described in this section are only suggestions. You should follow the test taking methods that work best for you.

STUDY REFERENCES

The 8020 Hydro Station System Operator (HSSO) Technical Interview requires you to answer technical questions that assess specific technical knowledge required to perform the job. They will require you to demonstrate your knowledge of technical concepts including clearance procedures, voltage and frequency control actions, operation of power system stabilizers and automatic voltage regulators, alarm systems, logging procedures, protective devices, electrical/elementary single line prints, and mathematics/measurements (addition, subtraction, multiplication, division, volume, area, fractions, conversions, and decimals).

You can use the following references to guide your preparation.

United States Bureau of Reclamation. Reclamation Safety and Health Standards. Section 15 Control of Hazardous Energy (Lockout/Tagout).

United States Bureau of Reclamation. Facilities Instructions, Standards and Techniques Volume 1-12. Abnormal Operations Generic Technical Guidelines for Power Stations.

Western Electricity Coordinating Council (WECC) Library. Tutorial on Power System Stabilizers. September 1999.

NERC/WECC Reliability Standards VAR-001-5 Voltage and Reactive Control. NERC Board of Trustees. August 2019.

WECC Position Paper on the NERC Interpretation of PRC-005-6, Requirement 1. January 2016.

Public Utilities Commission of the State of California General Order No. 167. Enforcement of Maintenance and Operation Standards for Electric Generating Facilities.

Schaum's Outlines of Electric Power Systems (1990). Syed A. Nasar. Publisher: The McGraw-Hill Companies, Inc.

Schaum's Outlines of Electric Machines and Electromechanics (1998). Syed A. Nasar. Publisher: The McGraw-Hill Companies, Inc.

Mathematics Made Simple (2003). Thomas Cusick. Publisher: Made Simple.



INFORMATION GUIDE FEEDBACK

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COMMENTS