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|------------------------|---|--|--|---|-----|--|---|-----|--|--|
| 1. Title               | Run the water supply, reheat and circulating cooling water systems of steam turbine   |  |  |   |     |  |   |     |  |  |
| 2. Code                | EMPEOM413A  |  |  |   |     |  |   |     |  |  |
| 3. Range               | Run the water supply, reheat and circulating cooling water systems of steam turbine in general industrial plants, power plants or other places.   |  |  |   |     |  |   |     |  |  |
| 4. Level               | 4   |  |  |   |     |  |   |     |  |  |
| 5. Credits             | 3   |  |  |   |     |  |   |     |  |  |
| 6. Competency          | <p style="text-align: center;"><u>Performance Requirements</u></p> <table border="0"> <tr> <td style="vertical-align: top;">6.1</td> <td style="vertical-align: top;">Working principles for the water supply, reheat and circulating cooling water systems of steam turbine</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Understand the running method, technical requirements and working principles of boiler for steam turbine circulating cooling water and water reheat systems</li> </ul> </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Methods of running the water supply, reheat and circulating cooling water systems of steam turbine</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Know the composition and the methods of running and operating boiler water system</li> <li>◆ Know the operation of boiler water pumps and boiler water regulation</li> <li>◆ Know the composition boiler water system</li> <li>◆ Know the composition and the methods of running and operating circulating water system</li> </ul> </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in running the water supply, reheat and circulating cooling water systems of steam turbine</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Follow manufacturer's instructions and procedures of running the water supply, reheat and circulating cooling water systems of steam turbine to perform the running task</li> <li>◆ Understand the effect of running the deaerator and high pressure heater on the running of boiler</li> <li>◆ Follow safety guidelines and the code of practice to run the water supply, reheat and circulating cooling water systems of steam turbine</li> </ul> </td> </tr> </table> | 6.1  | Working principles for the water supply, reheat and circulating cooling water systems of steam turbine | <ul style="list-style-type: none"> <li>◆ Understand the running method, technical requirements and working principles of boiler for steam turbine circulating cooling water and water reheat systems</li> </ul> | 6.2 | Methods of running the water supply, reheat and circulating cooling water systems of steam turbine | <ul style="list-style-type: none"> <li>◆ Know the composition and the methods of running and operating boiler water system</li> <li>◆ Know the operation of boiler water pumps and boiler water regulation</li> <li>◆ Know the composition boiler water system</li> <li>◆ Know the composition and the methods of running and operating circulating water system</li> </ul> | 6.3 | Professionalism in running the water supply, reheat and circulating cooling water systems of steam turbine | <ul style="list-style-type: none"> <li>◆ Follow manufacturer's instructions and procedures of running the water supply, reheat and circulating cooling water systems of steam turbine to perform the running task</li> <li>◆ Understand the effect of running the deaerator and high pressure heater on the running of boiler</li> <li>◆ Follow safety guidelines and the code of practice to run the water supply, reheat and circulating cooling water systems of steam turbine</li> </ul> |
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| 7. Assessment Criteria | <p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to clearly explain the operational procedures of running the water supply, reheat and circulating cooling water systems of steam turbine;</p> <p>(ii) Capable to run the water supply, reheat and circulating cooling water systems of steam turbine according to running procedures; and</p> <p>(iii) Capable to clearly report the operational status of the water supply, reheat and circulating cooling water systems of steam turbine.</p>   |  |  |   |     |  |   |     |  |  |
| 8. Remarks             | The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of steam turbine and its auxiliaries.   |  |  |   |     |  |   |     |  |  |