

<<三峡700MW水轮发电机组安装技术>>

图书基本信息

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内容概要

The Yangtze River Three Gorges Project is a remarkably big project. After generation of research, survey, planning, designing and construction by Chinese people, the 700MW hydro-generator units have been installed in Three Gorges Project, Which is a significant breakthrough. 454 pictures were selected from tens of thousands of construction pictures and a few hundreds of videos showing the beauty of mechanical and electrical installation project for the book. The installation process of ALSTOM 700MW hydro-generator unit with words and pictures. It includes brief introduction on three gorges project, turbine installation, generator installation. This is a practical and readable book for students and teachers in college and workers in this industry.

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章节摘录

版权页： 插图： Safety guard should set up around the pit at elevation 75.3 and the working platform for the stator, the height of the guard should conform to the safety regulations. Warning signs should be put up as well. Safety net should be used at the inside of the platform to avoid falling. When assembling the parts of the stator frames, fix the first part with steel ropes, chain blocks and other means until it is been assured for stabilization before set free from the crane hook. For the subsequent parts, insert all the coupling bolts and make it is stable, before loosening from the crane hook. The platform for the roundness measuring device should be firm and solid; all the openings should be blocked to avoid falling. When moving the measuring arms up and down, check for obstacles to avoid damaging the dial gauges. Carbon dioxide arc welding shall be used for the stator frame and the dovetail keys, good ventilation should be guaranteed against hazard gas such as monoxide may generated due to high temperature of the welding. All the spatters should be cleaned and polished with flat chisel and angular grinders after the welding. Before the stacking of the stator laminations, clean and paint the inner surfaces of the generator pit and cover the top with shroud; it may be opened temporarily for the lowering of the laminations. And set up heaters and dehumidifiers to create good environments of dirt-free, constant temperature and humidity. When installing the dovetail keys, the jacks and C-clamps should be fixed stably to prevent from falling. The platforms for each layers of the ring plates should be fixed firm and solid and be connected, safety guard should be set up at the sides. When stacking, gloves should be worn. Rubber or epoxy hammers shall be used with care for the alignment of the stator core stacking. No metal hammers should be used directly to the stator core. Safety guards and warning signs should be employed when carrying out the stator loop test. Before the test, make thorough cleaning of the stator core, stator frame with vacuum cleaner and flour dough. Check the insulation of the exciting cable, which shall be protected with rubber pads. All the test equipments should be well earthed.

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编辑推荐

《三峡700MW水轮发电机组安装技术(英文版)》适合从事水轮发电机组安装的技术人员在实际工作中参考使用，也可供大专院校相关专业的师生学习参考。

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