

电站纵览

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Wan'an Hydropower Station

万安水电站

局号：93474

Wan'an Hydropower station is located on the middle portion of Gan River, about 2km from Wan'an county, 90km from Ganzhou City, and 320km from Nanchang City. The basin area above the dam is 36900km². The annual average flow is 942 m³/s. The total reservoir storage is 2216 million m³. The normal water level is 100m, and the dead water level is 90m. The design flood level is 100m. Five sets of water turbine and generating units will be installed at the site with a total installed capacity of 500 MW (5*100MW). The project will generate an annual average electricity of 1516 million KWh.

栏目搜索

电站名称:

riverbed hydropower station

电站为河床式布置, 枢纽主要建筑物有左右岸非溢流坝、堰顶溢流坝、底孔溢流坝、河床式厂房、船闸、土石坝和左右岸灌溉渠首等。坝顶全长1104.00m, 坝顶高程104.00m, 最大坝高64.5m。左右岸非溢流坝长分别为73.5m和18m, 溢流坝长328m。左岸表孔溢流坝段为外包常态混凝土的碾压混凝土坝, 其余均为常态混凝土实体重力坝; 右岸底孔坝段设10个7m×9m (宽×高) 底孔, 左岸表孔坝段设9个宽14m的表孔, 均由弧形钢闸门控制, 采用底流消能, 消力池长度85m。右岸粘土心墙土石坝长430m, 坝顶高程105m, 最大坝高37m, 坝顶设1.2m高防浪墙。

工程于1978年5月正式动工, 1990年11月第一台机组并网发电, 1992年初期4台机组全部投产。1993年5月30日大坝正式下闸蓄水, 船闸转入永久通航, 1996年1月通过竣工验收。

The project started construction in May 1978. 1# unit was combined to the grid in November 1990, and all the units were put into production in the earlier 1992. The project passed the acceptance check in January 1996.