

UDC

SL

中华人民共和国 (People's Republic of China)

P

SL16-95

小水电建设项目经济评价规程
Economic evaluation code for small hydropower projects

1995-06-02 发布

1995-07-01 实施

Issuance date: 2 June, 1995

Effect: 1 July, 1995

中华人民共和国水利部 发布

Issued by Ministry of Water Resources of People's Republic of China

1 总则

1.1 为实现小水电建设项目决策的科学化、民主化，促进小水电事业的发展，根据国家计委《建设项目经济评价方法与参数》中的规定，结合小水电特点，特制定本规程。

1.2 小水电建设项目的经济评价，是指装机容量 25000kW 以下电站和其配套电网的新建、改建、扩建、复建、更新改造项目，以及主要由中小水电站网供电的县级农村电气化规划的经济评价。农村水电地区 50000kW 及以下容量的中型电站可参照执行。

1.2 The economic evaluation for small scale hydropower projects is applicable to the newly constructed hydropower projects, addition of capacity on existing hydropower projects, reconstruction hydropower projects, retrofit and modification hydropower projects whose installed capacity is less than 25000 kW and their accessing power grid. It is also applicable to rural electric programs whose electricity is sourced from small and medium scale power grid. The hydropower projects with installed capacity below 50000 kW in rural area can take this economic evaluation code as reference.

4.3 财务内部收益率(FIRR)是指计算期内各年净现金流量累计现值等于零的折现率，其表达式为：

$$\sum_{t=1}^n (CI - CO)_t (1 + FIRR)^{-t} = 0 \quad (4.3)$$

式中 CI——现金流入量；
CO——现金流出量；
(CI—CO)_t——第 t 年的净现金流量；
n——计算期。

在财务评价中，求出的财务内部收益率(FIRR)大于或等于小水电财务基准收益率(I_c)时，即认为建设项目财务评价可行。

The project is financially feasible only when the FIRR is above or equal to benchmark FIRR.

小水电财务基准收益率(I_c)定为 10%。

The benchmark FIRR for small scale hydropower projects is 10%