

### Sichuan Jianengjia Electric Power Group CO., LTD.

#### Conference Summary

Date: Dec. 12<sup>th</sup>, 2006

Venue: The 8<sup>th</sup> floor's meeting room of Jianengjia Electric Power Group CO., LTD.

Participants: The operation team of Jianengjia Electric Power Group CO., LTD.: Li Shucheng, You Tao, Duan Anming, Hu Guiying, Xu Yong, Yu Zhijun, Zheng Lin and Wang Shangwu, the director of hydropower development department.

Content of the conference: Whether to take the Tiejue project and the CDM application.

1 Tiejue hydropower station is the first level hydropower station located on the Gaozhuoying river which is the Heyuan branch of the Lower Mingjiang river's first branch, Mabianhe river. The installed capacity of the project is 22MW. It is expected to operate 5,540 hours per year, while the designed annual power generation is 121,90 MWh.

2 The pre-owner of the project had shutdown the Tiejue power station because the lack of funds and other issues in June, 2006. Considering the great development condition of the hydropower station, certain promoting effect will be acted on relieving the electrical shortage of Leshan city and developing the economic of Mabian Yizu Autonomous County. Therefore, continuing the hydropower station's construction has a positive significance.

3 The fixed assets investment of the Tiejue hydropower station is 140 million Yuan RMB, including 44.74 million Yuan self-prepare capital and 97.51 million Yuan loan from bank with a annual interest rate of 7.11%. The annual generation income will be 20 million Yuan since the build-up of June 2008, the annual operation cost is 4.418 million Yuan and the loan interest is 6.93 million Yuan, which means the annual cost is 11.35 million Yuan, and the loan principle should be returned every year. According to the presently economical benefit of Tiejue station, the IRR of the project is pretty low and there is a great difficult on the loan principle's returning. Therefore, the operation team of Jianengjia Electric Power Group CO., LTD. decided to apply the CDM project to complement the lack of funds after they take it.

4 An excellent intermediary organization should be found.

Several (at least three) CDM intermediary organization should be contacted and compared immediately. The intermediary organization must have legal registration, professional experts and great strength. We have to send people to the CDM intermediary organization for investigation and appoint the certain person in charge of the project.

Participants' signature:

Dec. 12<sup>th</sup>, 2006

# 四川嘉能佳电力集团有限责任公司

## 会 议 纪 要

时间：2006 年 12 月 12 日

地点：嘉能佳电力集团公司 8 楼会议室

参加人员：嘉能佳集团公司经营班子成员李树成、游海、殷安明、胡桂英、许勇、余志军、郑林、水电开发部主任王尚武。

会议内容：研究是否接手铁觉项目及申请 CDM 事宜

一、铁觉水电站是岷江下游一级支流马边河河原支流高卓营河的第一级水电站，电站装机 22MW，设计每年发电量 12190 万 Kw.h，年利用小时数 5540 小时。

二、项目前业主由于缺乏资金等问题，已经于 2006 年 6 月将铁觉电站停工。考虑到电站本身开发条件好，其建设对缓解乐山市用电紧张局面将起一定的促进作用，对马边彝族

自治县的经济的发展将起推进作用，因此继续该电站的建设有积极意义的。

三、铁觉电站固定资产投资达 1.4 亿元，其中 4474 万元由本公司自筹，需要向银行贷款 9751 万元，年利率 7.11%，待 2008 年 6 月建成发电后每年发电收入约为 2000 万元；电站每年经营成本 441.80 万元，银行贷款利息 693 万元；综合每年的成本在 1135 万元人民币；每年还须归还银行借款本金。按照目前铁觉电站的经济效益测算，项目内部收益率较低，建成后归还银行贷款的资本会有较大困难。因此嘉能佳电力集团公司经营班子决定接手该项目后要申请 CDM 项目以补充资金的不足。

#### 四、要寻找一家好的中介结构

要尽快联系做 CDM 的中介机构，多找几家（最少三家）进行比较。中介机构要合法注册，有专业人才、实力比较好。对要确定的中介机构，我公司要派人进行了解考察。同时指定专人负责做这项工作。

参会人员签字：

李树斌 刘伟 郑东 胡桂英  
牛国 刘中明 金峰 王尚武

二〇〇六年十二月十二日