
摘 要

本工程设计主要内容为屏边至大理供电工程 L 回 (LN62-LN67) 输电线路投标文件设计。

本文件共有商务标和技术标两部分组成。商务标部分是按照电网工程建设预算规则计算出屏边至大理供电工程 L 回 (LN62-LN67) 的总安装工程费用,工程量计算表现在商务标部分,包括基础材料用量、塔材用量、线材用量、附件用量等。通过查阅相关资料和套用定额,计算出装置性材料费和直接费,之后确定地区范围,查阅该地区的取费标准确定间接费,税金以及利润,最后得出总的工程造价和每公里造价。技术标部分主要是依据招标人的要求、拟建工程的工程概况和国家相关法律法规编制各分部分项工程的施工方案,确定了相应的管理组织机构。包括编制依据,工程概况,施工方案选择,工期及施工进度计划,工程质量目标及管理措施,工程安全目标及管理措施等。并且结合分部分项工程量绘制了施工进度计划网络图、施工进度计划横道图和牵张场平面布置图,重点突出了适用性、科学性及针对性,确保了优质、低耗、安全、高效地完成施工任务。

投标文件设计中,工程造价及施工组织设计非常重要,应该采用先进的施工技术与施工方法,减少成本,缩短工期,并严格制定合理的质量监督体制和安全方针,认真执行。随着社会经济的快速发展,电力企业作为国家发展的基础产业,主要作用是为社会生产和人们生活提供保障,所以,送电线路的施工倍受人们期待,关于施工单位,施工技术水平、各种新技术下的施工工艺和投标报价水平的高低成为决定其发展与生存的第一因素。

关键词: 商务标, 技术标, 投标文件设计, 施工进度计划, 施工技术,
供电工程



Summary

The main content of this project design is the design of bidding documents for transmission line LN62-LN67 from Pingbian to Dali Power Supply Project.

This document consists of two parts: commercial and technical standards. The commercial bidding part calculates the total installation cost of LN62-LN67 power supply project from Pingbian to Dali according to the budgetary rules of power grid construction. The calculation of engineering quantity is embodied in the commercial bidding part, including the consumption of basic materials, tower materials, wires and accessories. Through applying quota and consulting relevant data, the equipment material fee and direct fee are calculated, then the area scope is determined, and the indirect fee, tax and profit are determined by consulting the charging standard of the area. Finally, the total cost of the project and the cost per kilometer are obtained. The technical tender part mainly compiles the construction plan of each sub-project according to the requirements of the tenderer, the general situation of the project to be built and the relevant laws and regulations of the state, and establishes the corresponding management organization. It includes compiling basis, general situation of the project, construction plan, time limit and construction schedule, project quality target and management measures, project safety target and management measures, etc. Combining with the quantities of several projects, the network diagram of construction progress plan, cross-section diagram of construction progress plan and plane layout of stretching yard are drawn, which highlights the scientificity, applicability and pertinence, and ensures the high quality, low consumption, safety and efficient completion of construction tasks.

In the design of bidding documents, project cost and construction organization design are very important. Advanced construction technology and construction methods should be adopted to reduce costs and shorten construction period, and strict and reasonable quality supervision system and safety policy should be formulated to implement them conscientiously. With the rapid development of social economy, electric power enterprises, as one of the basic industries of national development, play a major role in guaranteeing social production and people's lives. Therefore, the construction of power transmission lines has attracted much attention. For construction units, construction technology level, construction technology under various new technologies and the level of Bidding Quotation have become the key to their survival and development. Key factors.

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