

ABSTRACT

“ANALYSIS OF LOAD OF THE HOSPITAL SAN VICENTE OF PAÚL OF IBARRA's CITY AND OFFER FOR THE FULFILLMENT OF THE QUALITY OF ENERGY ACCORDING TO REGULATION Not. CONELEC 004/01 ”

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The present work of investigation has been realized by the intention of improving the quality of electric power in the Hospital San Vicente of Paúl of Ibarra's city for the fulfillment of the Regulation Not. CONELEC 004/01 and to propose in addition alternatives of solution to reduce the costs of penalty for low factor of power that monthly invoices the Electrical Regional Company North S.A. to this convalescent home. There have appeared aims that allow to establish goals to expiring to reach successfully this project, likewise to answer the questions of investigation raised. With the intention of knowing it brings over of the topic a bibliographical investigation was realized and of field, which has enriched the proposed topic. One installed quality meters of energy in three existing transformers in the hospital and one proceeded with the analysis of the measurements, additional there was realized the raising load of this convalescent home. At the end of the investigation conclusions and recommendations are added to continuing and finally on the basis of the analysis of the measurements one proceeds to raise the offer with the technical and economic evaluation.