

Abstract

Implementation of the water supply scheme in Sistan region has many benefits and effects. One of the most important works of such projects is the economic, social and environmental effects. This research is to evaluate the economic and social impacts of the implementation of the project in the Sistan region. In order to achieve this goal, data and statistical information about cost and income before and after the implementation of rural households in Sistan region was used. Another part of the required information was collected through fieldwork and completed questionnaires. The validity of the questionnaire was evaluated using the panel method of experts and its reliability was assessed by Cronbach's alpha coefficient. The sample size was calculated using simple random sampling method and Cochran formula. Statistical analysis and economic evaluation with Camfar and Exel software. The results showed that with respect to the increase in performance, the implementation of the NPV model was positive to the 16% discount rate and at the discount rate of 16.46 this net value was zero. The IRR also According to the annual interest rate of 16%, this rate of return is economically justified. A survey of agricultural production income before and after the implementation of the plan showed that the implementation of the plan has increased by 58% in the region's products. The results of social work also show that the implementation of the plan, on the one hand, would increase the conflict over water and land, and on the other hand, increase cooperation and teamwork in the region.

Key words: Economic issues, socio, environmental, sistan, poverty index



University of Zabol
Graduate school
Faculty of Agriculture
Department of Agricultural Economics

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Supervisors:
Dr.M. Ahmadpor
Dr.A.A.keikha

Advisers:
Dr.V.A.sarani
A.R. sargazi

By:
H.Jahantig

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