

<Abstract>

Title: A study on Selection Criteria and Methods for Transportation Infrastructure ODA Projects

A proper Ordinary Development Assistance (ODA) for recipient countries is very important for economic development of them and the cooperation between recipient and donor countries. The paper demonstrates how we evaluate and select the effective projects among ODA projects of transportation infrastructure applied by recipient countries and suggests the quantitative and systematic selection criteria and methodology.

The importance of ODA of transportation infrastructure is as following. Firstly, developing countries are eager to learn the short-period economic growth experience by means of transportation infrastructure and think Korea as their role model. Secondly, transportation infrastructure creates new employment opportunity and technology transfer during planning and construction, and third issue is to achieve the national growth based on transportation infrastructure after the completion. Fourth aspect is to induce other sectors' development opportunity with these experiences. Lastly, transportation infrastructure leads the sustainable economic and social development.

The study maintains two step selection process of KOICA and improves criteria and methodology of first and second selection process. It is distinguished to consider the policy aspects in the first evaluation process and the technical aspects in the second process, and then applied the Analytical Hierarchy Process (AHP). AHP method is useful to select proper projects considering economic feasibility, policy and effectiveness as a criteria with the constraint of time and cost.

The first process considers the correspondence with KOICA strategy, implementation capacity of recipient countries and agencies, and project duplication of bilateral and multilateral agencies as a first hierarchy. The evaluation can be completed by six assessors in KOICA.

The second process is more complicated and needed in collecting the relevant data, reporting sufficient contents, recognizing related projects, and quantitative analysis. The responsible implementation is important for entire process and is suggested the usage of Project Management Consultancy (PMC). This process considers the technical and economic feasibility, the correspondence with KOICA strategy, the beneficial degree and policy in recipient countries as a first hierarchy and puts the higher weight in technical and economic feasibility. The evaluation can be completed by six assessors, that is, one residence representative KOICA officer, two experts completed the investigation, and three members of KOICA headquarter.

Before dispatch to recipient countries, the experts should attend the prearranged meeting in KOICA and prepare the relevant questionnaires to recipients and site investigation schedule after reviewing all related materials with the ODA knowledge. It is important to combine educational and technical experts for complementary cooperation and assign own duty to them. This report includes the standard contents and scopes to secure the substantiality and objectivity in report.

It concludes the ODA project selection improvement in transportation infrastructure suggested in the paper ensures standardization, objectification, and transparency in the process. In addition, it can guarantee substantiality and responsibility. However, it is limited for comparison of projects among countries.