

Construction Material and Equipment Demand Estimation in Indonesia

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SUMMARY

Increased national infrastructure investment will have an impact on the demand for reliable construction resource availability support. Currently, one of the issues of concern to the Indonesian Government is the absence of accurate the demand information for material resources and construction equipment. The annual requirement information in each region is currently based on estimated data. Meanwhile, the formulation of material resource requirements and construction equipment cannot be formulated properly because development priorities vary each year of the budget. It should not occur when there is a comprehensive data and information system related to construction materials and equipment. If data on construction material and equipment resource requirements, volume and time of procurement can be available well at the beginning of the fiscal year, it will be easy to predict the availability of existing resources within the country to meet the needs of all construction project activities. The research was conducted to obtain an annual data formula from the needs of materials and construction equipment within the Ministry of Public Works by utilizing the Bill of Quantity (BOQ) data of the previous year, which will be used for policy makers in the construction sector. Finally a formula of estimation of material and construction equipment demand is found that can be used by the Ministry of Public Works in planning and coordinating with relevant ministries such as the Ministry of Industry so that there is no shortage of material and equipment in the construction projects in Indonesia.