

Does Ridge Coefficient Deliver Alpha? The Analysis of Mineral Resource Tax Performance in Tanzania

Method S. Simbachawene*, Xiang Ju Li

School of Economics and Finance, Xian Jiaotong University, Xian, China

Abstract We analyse the impact of mineral resource tax revenue in respect to economic growth (GDP) in Tanzania; the results reveal total taxes and royalties paid by large mining companies operated in Tanzania does not significantly contribute to the economic growth in term of GDP. The average total taxes revenue comprises 0.45% of the average country GDP from 1996 to 2016. Policymakers shall improve and strengthen mining tax systems through reforms on existing resource tax structure and establish a well-designed resource tax model that will capture economic rent significantly as well as ensure investors earn at least minimum returns on mining investment.

Keywords Resource tax, GDP, Economic growth, Ridge parameter

1. Introduction

Tanzania undergoes various economic reforms since independence for the purpose of achieving various economic objectives, in 1961 to 1967, major reforms focused on transformation and establishment of strong institutions to promote economic growth and increase the standard of living. Followed by numerals of reforms such as national economic survival program (NESP) in 1981, structure adjusted program (SAP) 1983-1985, economic recovery program (ERP1) 1986-1989, economic and social action program (ESAP) 1989-1992, enhance structural adjustment facility (ESAF) 1996-1999, Poverty Reduction and growth facility (PRGF 200-2002), etc. [15]. All these reforms were intended to improve country economic growth.

The mining sector is among the sector which experienced major reforms during the 1990's; these experiences include reforms on trade liberalisation and privatisation which intended to attracts an inflow of foreign direct investment in mining sectors. The reforms in Mining sector aligned with the legal framework and other supportive policies such as Tanzania mineral policy 1997, Tanzania Investment policy 1997, Mining Act 1998, as a results of these reforms Tanzania was ranked number three in gold production per tones extracted in Africa [11].

Tax revenue reforms as part of these economic reforms which intended to boost mining sector performance, Since 1990's to date various tax reforms were carried on to create incentive and relief for the purpose of attracting and

encouraging prospective investors to invest in the mining sector. These tax incentives include tax exemption, tax holiday, tax relief, zero or low tax rates, deduction allowances, capital allowances, etc. The main question comes, does all these government efforts in reforming mining sector and the existing of foreign direct investment aligned with Mwalimu Nyerere [12] ideology which belief natural resource should benefit or contribute significantly to the country's economic development?.

The first objective of this paper is to assess the contribution of resource tax revenue to the country economic growth in term of GDP. The second objective is to provide an opportunity for the policy makers to understand the impact of resources taxes in respect to existing mining tax policies. The third objective is to provide a recommendation for the area of improvement, and finally, findings contribute to the literature review.

This paper consists six sections, brief literature reviews presented in section two, followed by the methodology of the study in section three, data and empirical analysis explained in section four, discussion of resource tax in section five and conclusion and policy recommendation provided in section six.

2. Brief Literature Review

One of the frequently question in mineral economics is how does taxation contribute to the economic growth; this question was analysed with some tax researchers; however, the country taxation systems, a collection of resources taxes and royalty rate varies across the nations. Many countries, especially in developing nations, are struggling to ensure that, the existing mineral resources policies benefit the country development, but the ability of the country to capture

* Corresponding author:

simbas74@yahoo.com (Method S. Simbachawene)

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