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ABSTRACT

The new national strategy of Vision 2025 of Sri Lankan government is driving the country to a new era with more focussing to the maritime security by targeting the expansion of Exclusive Economic Zone. Therefore, Sri Lanka Air Force (SLAF) has to play a vital role as the only military force who are securing the Sri Lankan air space since 1951. To serve the said purpose, SLAF needs to acquire new aircraft and maintain the fleet in fully serviceable condition to fulfil the national security requirements. Therefore, SLAF has establish an Aircraft Overhaul Wing (AOW) facility in year 2016 to continue the airworthiness of military aircraft to provide uninterrupted and adequate security to the country. Therefore, this research paper discovering the sustainability of the recently commenced AOW which is based on Chinese built military aircraft used in SLAF. This research is a mix type research which involved both quantitative and qualitative analysis. The total population of the research was taken as all officers, technicians and the available secondary data at SLAF. During the research, sample of 45 (36.58 percent) out of 123 technician's and sample of 15 (50 percent) out of 30 officers of SLAF were selected from simple random sampling method. Further, all the available secondary data was used for the research. The hypothesis was tested by using Correlation Coefficient. The impact of economic factor, social factor and environmental factor for the sustainability has been discussed in detailed in the report and research findings are discussed in chapter five of the paper. The research finding clearly shows that all three independent variables that were used in the study have a significant and positive impact on sustainability of the project. All the recommendations have been given based on the research findings. Therefore, this research gives a proper inside to the MRO wing at SLAF and also the findings of the research will be helpful to Sri Lanka Air Force to develop the MRO wing.

Key research words: National security, EEZ, MRO, Sustainability of MRO's