



ASIAN PRODUCTIVITY ORGANIZATION

PROJECT NOTIFICATION

2 November 2015

1. **Project Code** 15-RP-24-SPP-RES-C
2. **Title** Research on Green Productivity and Productivity Measurement Program for Myanmar
3. **Duration and Timing** December 2015–November 2016 (one year)
4. **Venue** APO Secretariat

5. Objectives

- a. Evaluate the data quality in the system of national accounts in Myanmar;
- b. Establish Myanmar's growth accounting framework at the aggregate and industry levels;
- c. Measure labor productivity, total factor productivity, and energy productivity;
- d. Assess energy efficiency trends and challenges in the country; and
- e. Produce a research report containing the results of a–d.

6. Background

Measuring the productivity performance of a nation is essential to evaluate its efficiency in resource use and assess areas for potential economic growth. Developing a growth accounting framework is pivotal for evaluating national productivity improvement. This project will attempt to assess labor, capital, and energy productivity while examining the potential for improving energy productivity (or energy efficiency) with lower carbon emissions in Myanmar.

As it is necessary for the country to make an efficient transition for more secure, sustainable, affordable energy systems, the project will assess and suggest methods to improve energy efficiency via viable eco-solutions and technology transfer by Japanese industries. The project will initially examine energy productivity issues at the aggregate and industry levels in Myanmar. Empirical evidence for policy recommendations in the area of energy efficiency will be developed, while suggesting policy devices that can be potentially offered by the Government of Japan and Japanese industries, which will encourage APO membership and promote Green Productivity in the country. It is envisioned that the research activities in turn will contribute to building the capacity of stakeholders in Myanmar to understand productivity measurement and evidence-based productivity analysis as well as to sharing the lessons learned to other APO member countries.

7. Scope and Methodology

Scope

Assessment of the national account data; establishment of methodology to construct a growth accounting framework; measurement of labor productivity, total factor productivity, and energy productivity; and assessment of energy efficiency.

Methodology

Data collection and survey, and qualitative and quantitative analysis.

8. Research Expert/Partners and Workshop Participants

a. Profile of expert and research partners

The APO will appoint a chief expert for this project to lead and manage the research and local counterparts. The chief expert should be a highly experienced specialist in productivity and energy efficiency measurement and analysis; assume management, advisory, and supervisory roles in the project; and be responsible for producing the final research outputs. Relevant, highly qualified research partners will conduct the research through a collaboration contract. Local research partners specializing in the topics of the research will be appointed when necessary.

b. Number and profile of participants in the research workshop

Up to six relevant stakeholders from Myanmar will attend the research workshop. The targeted participants are senior government officials specializing in productivity measurement and industry and energy policies, heads of industry associations responsible for promoting eco-solutions to tackle environmental issues in the country, and top managers of leading firms in relevant energy fields.

Tentative Schedule

Time	Activity
December 2015– March 2016	Survey and examination of metadata, aggregate and industry data and establishing measurement methodology
April–August 2016	Data collection and database development
September–October 2016	Data verification and analysis and report writing
November 2016	Workshop

9. Financial Arrangements

a. To be borne by the APO

- 1) Honorarium for the chief expert upon completion of the research;
- 2) All assignment costs for the chief expert including daily subsistence allowances, miscellaneous expenses, and round-trip international airfare by the most direct route between the international airport nearest to the experts' place of work and Yangon, Myanmar, for attending the workshop for the research;
- 3) Travel insurance coverage against accident and illness for the chief expert for the entire duration of the workshop and travel;
- 4) Local implementation costs for the workshop covering meeting package, room rental, and required equipment in Myanmar;
- 5) Costs of database and final report production;
- 6) The cost of hotel accommodations (including tax and service charges) and a per diem allowance for the participants for up to three days in Japan; and
- 7) Other local expenses related to the workshop in Japan.

b. To be borne by the chief expert

- 1) Any expenses incurred by the expert for extra stay at the venue before and/or after the official project period due to early arrival, late departure, or any other reason must be borne by the expert.

10. Guide for Participants

Other conditions for participation are given in the APO "Guide for Participants," which is available from the APO Liaison Officers/NPOs in member countries and on the APO homepage (http://www.apo-tokyo.org/05part_guide.htm).



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