

COMMUNICATION ON ENGAGEMENT (COE)

Tanzania Industrial Research and Development Organization (TIRDO); P.O. Box 23235, Dar es Salaam, TANZANIA

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Period covered by this Communication on Engagement

From: 2023

To: 2025

Part I. Statement of Continued Support by the Chief Executive or Equivalent

Please use the box below to include the statement of continued support signed by your organization's Chief Executive or equivalent.

To our stakeholders

I am pleased to confirm that Tanzania Industrial Research and Development Organization (TIRDO) reaffirm its support to the United Nations Global Compact and its Ten Principles in the areas of Human Rights, Labour, Environment and Anti-Corruption. This is our Communication on Engagement with the United Nations Global Compact. We welcome feedback on its contents.

In this Communication of Engagement, we describe the actions that our organization has taken and will continue to support the UN Global Compact and its Principles as suggested for an organization like ours. We also commit to sharing this information with our stakeholders using our primary channels of communication.

Sincerely yours,



Lugano Wilson, Lic. (Eng.); Ph.D. (Energy)
DIRECTOR OF ENGINEERING DEVELOPMENT

5th October, 2023

Part II. Description of Actions

Please use the box below to describe the actions your organization has taken in support of the Global Compact. It is strongly recommended that the actions taken are related to one or more of the specific activities suggested.

GOAL		INTERVENTION BY TIRDO
In the reporting period, TIRDO has been active in implementing the Sustainable Development Goals (SDGs) in following areas, which are within the mandate of its establishment:		
1	No poverty	The goals are being addressed through TIRDO Food and Microbiology Division. The Division is carrying out the following activities: i) Development and dissemination of technologies for food processing, and food preservation (post-harvest loss prevention); ii) Development and dissemination of nutritive products from mushroom farming and processing; iii) Dissemination of zero waste agricultural technologies; and iv) Undertaking food analytical services for food processors and those in development of nutritive products.
2	Zero hunger	
6	Clean water	The goals are being addressed through TIRDO Food and Microbiology Division accredited laboratory that supports the community by undertaking the following services: i) Consulting analytical services for portable water producers; ii) Advisory services to the community on clean water; and iii) Dissemination of appropriate water treatment technologies to the community.
7	Affordable and clean energy.	Goal number 7 is being addressed through TIRDO Energy Technologies Division. The Division is carrying out the following activities: i) Development and dissemination of clean energy technologies for household and industrial use; ii) Undertaking energy management advisory services to households, industries and commercial centres; iii) Undertaking energy consultancy and analytical services and; iv) Advisory services to the community.
9	Industry, innovation	Being a research and development institution, TIRDO is

	and infrastructure	addressing this goal through: i) Planned industrial research and development activities; ii) Advisory and consulting services; and iii) Industrial skills development programs.
13	Climate action	The TIRDO Environmental and Occupational Health Division has a well-established environmental laboratory, which addresses this goal through her plans that include: i) Development and dissemination of clean technologies; ii) Environmental and social impact assessments (ESIA) for industrial and commercial projects; iii) Environmental monitoring to industries; iv) Advisory services to industries and the community; and v) Training and skills development programs.

Part III. Measurement of Outcomes

Please use the box below to include the most relevant qualitative and/or quantitative indicators to measure the outcome of the activities described in Part II above.

<p>As a result of TIRDO engagement in supporting the Global Compact, following are the main outcomes:</p> <ul style="list-style-type: none"> i. Developed and disseminated dual energy solar dryers for grains and vegetables; ii. Developed zero waste agro technology for processing and, energy and manure production; iii. Disseminated mushroom farming and procession with nutritive and medicinal values; iv. Undertaking food and microbiology services (food and water) to industries and hotels; v. Performing energy auditing to industries (various); vi. Performs energy analytical services for industrialists, mining companies and to the community; vii. In collaboration with the European Union and Tanzania Ministry of Emery, TIRDO is currently implanting energy efficiency project that demonstrates technologies and train industrialists to implement energy management measures in their respective establishments; viii. Developed clean cooking technologies; ix. Participated in developing Tanzania clean cooking fuel strategy; x. Undertook environmental auditing to industries (annual contracted auditing and adhoc works) xi. Performed environment and social impact assessment to new projects (various) xii. Is a consultant to industrial establishments which will see positive impact to employees and government revenue 	
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- xiii. Undertaking materials testing through non-destructive and destructive testing
- xiv. Participated in international linkages with respect to science and technology and environmental sustainability under the COMSATS;
- xv. Through students' attachments and students' projects, TIRDO has trained young scientists and engineers in its areas of mandate to include environment, food science and engineering, energy, engineering and information technology; and
- xvi. Demonstrated cleaner technologies, products and processes through pavilions and tailored projects.