1. INTRODUCTION

- The Tanzania Industrial Research and Development Organization (TIRDO) is a multi-disciplinary research and development organization established by an Act of Parliament No. 5 of 1979 and it became operational on 1st April, 1979.

- TIRDO is a semi autonomous organization under the Ministry of Industry, Trade and Investment
1.1 Mission

- To conduct research, development and technical services on industrial processes and products, while utilizing local materials in partnership with industries.

1.2 Core functions

i. Carry out and promote the carrying out of applied research designed to facilitate the evaluation, development and use of local materials in industrial processes.

ii. Research into local and foreign industrial techniques and technologies and evaluate their suitability for adoption and use in industrial production.

iii. Promote and provide facilities for training personnel for carrying out applied scientific and industrial research.

iv. Operate documentation system to disseminate information on applied research.

v. Provide technical services for industrial development.

vi. Provide technical capacity to mitigate industrial pollution.
1.3 Core departments

- **Industrial Research (Director)**
  - Food & biotechnology Division (Head)
  - Industrial Chemistry and Agro-processing Division (Head)
  - Environment and Occupational Safety Division (Head)

- **Engineering Development (Director)**
  - Materials Science and Technology Division (Head)
  - Textile and Leather Division (Head)
  - Energy Division (Head)

- **Information, Communication Technologies and Technology Transfer (Director)**
  - ICT Division (Head)
  - Instrumentation Division (Head)
  - Technology Transfer Division (Head)

2. ACTIVITIES UNDER COMSATS’ NETWORK FOR ACHIEVING SDGS AND FACILITATING SOUTH-SOUTH COOPERATION

2.1 Areas of research

i. Energy
ii. Coal
iii. Food and biotechnology
iv. Environment
v. Industrial chemistry
vi. ICT
vii. Instrumentation
viii. Textile
ix. Leather
2.2 On-going collaboration with other Centres of Excellence

i. Tubitak Marmara Research Centre of Turkey (Tubitak MAM)

ii. IRCC Sudan collaboration in leather and textile research (*Initial stages*)

iii. TIRDO participates in thematic groups (Mathematic modeling)

iv. Other potential collaborators solicited

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**Tubitak MAN, Turkey – TIRDO Collaboration**

- MoU for technical collaboration was signed in 2016
- Areas of collaboration
  1. Energy
  2. Engineering
  3. Food science and technology
  4. Biotechnology
  5. Materials technology
  6. Environment, and
  7. Chemistry
2.3 Future Prospects for collaboration under COMSATS’ Network

1. Joint research projects
   - Continuing with TUBITAK, IRCC, and others.

2. Capacity building activities
   - Training at COMSATS and by utilizing member countries’ capacity building programs

3. Expert exchange
   - Exchange program with TUBITAK, and IRCC.

4. Technology transfer
   - TUBITAK & IRCC. Now at initial stages of technology development and transfer

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