Outcome of Research Capacity Building in Tanzania

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The success of research capacity building in Tanzania is anchored on 4 important institutional bases:
1. The Constitution of The United Republic of Tanzania
2. The Construction policy
3. Road Act, 2007
4. regulations
5. Mandate

**Article 36 part I**
Act No. 15 of 1984 and article 9 of no: 3 of 2000 article 6

Method – Working together and deliver as one.

- Research Capacity Building was planned and delivered based on the request from PO-RALG to AfCAP.
- Joint effort was coordinated to deliver as one (AfCAP, RFB, PO-RALG/ TARURA, MoWTC and WB) based on Strategic Plan developed through AfCAP Technical Assistance programme.

Method – Working together and deliver as one.

- Working together to achieve:
  a) Skill development of human resources
     • Laboratory management system
     • Laboratory work inventory system
     • Operational protocols.
  b) Forming organisation components of LoGITReC.
     • Research group
     • Laboratory
     • Information Centre.
  c) Policy decision – making process for LoGITReC.
     • Steering Committee
     • Technical Committee

Results of Research Capacity Building.

- LoGITReC has done the following:
  
  - Has established Staff performance measures.
    - OPRSAS (for all staff).
    - Input and output as established in the strategic plan (for Researchers only).
  
  - Competence with regard to both input and output factors (Researchers only)
Results of Research Capacity Building.

- **Laboratory Facilities**
  - Well equipped state-of-the-art laboratories in Dodoma and other cities.

- **Capacity to do research**
  - GEM project
  - Long Term Pavement Performance Monitoring Programme
  - Alternative surfacing options and materials for road construction.

- **Capacity to do Quality Control and Assurance.**
  - Road and buildings construction quality control.

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Results of Research Capacity Building.

- Availability of Research Fund in Roads Fund and LoGITReC budgets.

- Establishment of research network and relationship.
  - External
  - Internal.
STRATEGIES TOWARDS SUSTAINABILITY AND RISKS TO SUSTAINABILITY.

- Capacity Building Programs that are sponsored by AfCAP through mentorship are the fundamental to sustainability.
  - Training to build internal research capacity (3 universities).
  - Research fund from GoT.

Benefit of Road Research capacity Building initiative delivered for the country.

- Purchase of major Laboratory equipment.
  - 2015 = zero Laboratory
  - 0.5% of Councils can access soil and aggregate testing facilities through TANROADS.

- Increase in Access to Soil and Aggregate Testing facilities for rural roads
  - 52% of projects have consistently been accessed by LoGITReC

Benefits of Road Research capacity Building initiative delivered for the country.

- Improved road surface conditions due to increased Quality Assurance Procedure and development of human resources.
  - Good to fair category of road has increased from 56% in 2016 to 65% in 2018.
Challenges and a way forward.

- Purchased equipment was for basic quality control works and hence limits research works such as geotechnical investigation and asphalt.
- Insufficient human resources like researchers.
- Inadequate of office facilities.
- Through the general budget of GoT, more equipment will be purchased.
- Keep on asking government approval to recruit required human resources.
- New construction is going on.

Conclusion

- A number of initiatives have been undertaken in Tanzania as a result of the capacity building through AfCAP support.

- The road research capacity building initiative has delivered benefits for the road sector in the country and continue to build the required capacity within LoGITReC.

- Tanzanian community understands the importance of research work in improving rural roads.
Thank you for your attention

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