Table 17. 1: STI Interventions and Respective Actors Interventions Actors Objective 1: Develop requisite STI infrastructure 1. Support the establishment and operations of Technology & Business incubators and Technology Transfer centres; MoSTI, MFPED, MLHUD, LGs, Private Sector, DPs 2. Support the establishment and operations of Science and Technology Parks to facilitate commercialization; MoSTI, MFPED, MLHUD, MTIC, LGs, Private Sector, UMA, DPs 3. Support academia and research institutions to acquire R&D infrastructure; MoSTI, MFPED, MLHUD, MTIC, MoES, LGs, Private Sector, DPs 4. Establish a material science, nano & bio science technology centres, Space Science and Aeronautics Technology Institute MoSTI 5. Initiate and establish funding linkages for STI with multi-national and development partners; MoSTI, MoH, MAAIF, UVRI, UMA, Research Institutions, Academia, Private Sector, DPs 6. Create a favourable policy environment to attract private sector funding for STI; MoSTI, MoH, MAAIF 7. Establish a Research and Innovation Fund. MoSTI, MFPED Objective 2: Build institutional and human resource capacity in STI 1. Develop and Implement a National STI Advancement and Outreach Strategy; MoSTI 2. Support the review of the curriculum and delivery methods at all levels of education with a view of promoting innovation; MoSTI, MoES, NCDC, NCHE, Academia, Private Sector, DPs 3. Design and conduct practical skills development programmes MoSTI, MoES, NCHE, Academia, Private Sector, DPs 4. Design and implement special programmes for Nano technology, space exploration, nuclear technology, bio sciences, ICT and engineering; MoSTI, MEMD, MoH, MAAIF, MFPED, NCHE NPA, Academia, Private Sector, All MDAs, DPs 5. Develop a framework for promotion of multi-sectoral and multilateral collabourations a. Monitor and evaluate the mainstreaming of ST&I in all sectors b. Strengthen the capacity of MDAs to effectively implement ST&I interventions including deployment of ST&I advisers to MDAs MoSTI Objective 3: To strengthen R&D capacities and applications 1. Develop and popularize a National STI Research Agenda for STI; MoSTI, MoICT&NG, MoH, MAAIF, MTIC, NPA, EPRC, Academia, Private Sector, DPs 2. Develop and implement a National Science and Technology Innovation Strategy; MoSTI, MoICT&NG, MoH, MAAIF, LGs, UIRI, UNCST, UMA, Private Sector, DPs 3. Strengthen the Intellectual Property (IP) value chain management; MoSTI, MoICT&NG, MoH, MJCA, MAAIF, MoIA LGs, URSB 4. Develop and maintain a national STI Information Management System (including a database of new and on-going Scientific Research, technologies innovations and indigenous knowledge from public and private sectors); MoSTI, MoICT&NG, MFPED, MoH, MAAIF, UBoS, NPA, All MDAs, Private Sector, DPs 5. Increase investment in R & D in key priority sectors like; agriculture, Oil & Gas, Minerals, Energy, Health, Transport; MoSTI, MEMD, MoH, MAAIF, MoWT, THIRD NATIONAL DEVELOPMENT PLAN (NDPIII) 2020/21 - 2024/25 183 Interventions Actors MFPED, NARO, NaGRIC, Academia, Private Sector, DPs 6. Establish research collaborations at local, regional and international level; MoSTI, MEMD, MoH, MAAIF, MoWT, MFPED, NARO, NaGRIC, Academia, Private Sector, DPs 7. Develop, oversee and implement programmes in new and emerging areas of space science, marine, nuclear, data and climate science, nanotechnology, bio-technology, among others; MoSTI, MEMD, MoH, MAAIF, MFPED, NPA, Academia, Private Sector, All Sectors, DPs 8. Create capacity on application of drones, satellite imagery through GIS, realtime disaster modelling, and widespread connectedness, improve emergency response and production; MoSTI 9. Increase availability of and access to multi-hazard early warning systems and disaster risk information to save lives and reduce losses to disasters. MoSTI, OPM 10. Conduct ST&I surveys and studies for use in evidence-based planning and policy formulation MoSTI, MAAIF, MoH, MICT Objective 4: Increase development, transfer and adoption of appropriate technologies and innovations 1. Develop and implement a National Technology Transfer and Adoption Strategy; MoSTI, MoICT&NG, NITA-U 2. Develop strategic local and international partnerships and cooperation on technology transfer and adoption; MoSTI, Academia, Private Sector, All Sectors, DPs 3. Support the development of standards for domestic products and services; MoSTI, MTIC, UNBS, Private Sector 4. Establish platforms for the interaction between the academia, research institutions, industry and state and non-state actors. MoSTI, NPA, UMA, Universities 5. Increase public investment in technology transfer and adoption. MoSTI, MoFPED, MTIC 6. Strengthen the function of technology acquisition, promotion as well as transfer and adoption MoSTI Objective 5: To improve the legal, institutional and regulatory framework 1. Develop strategies to domesticate and implement international conventions and treaties that facilitate STI; MoSTI, MoFA 2. Develop policies, laws and regulations for technology development, transfer and market development and attraction of private funding and FDI in STI. MoSTI, MoICT&NG, MoJCT, Parliament, Cabinet Secretariat 3. Develop, review and amend policies to promote the development and uptake of technologies MoSTI, MoJCT, Parliament, Cabinet Secretariat 4. Develop a framework for promotion of multi-sectoral and multilateral collabourations MoSTI, MoFA