PREAMBLE

The 21ST Meeting of the National Council on Science, Technology and Innovation (NCSTI) was held from Monday, 8th – Friday, 12th May, 2023 at the Conference Hall, National Space Research and Development Agency (NASRDA), Obasanjo Space Centre, Abuja, with the theme: **“STI for all: Advancing the Actualisation of Nigeria’s Agenda 2050”**

**NOTES/OBSERVATIONS**

After thorough deliberations, Technical Committee noted the following:

1. Efforts of Energy Commission of Nigeria(ECN) in the generation of electricity through biogas from tannery effluents and the production of multi-source thermostatic charge controlled portable solar generator for promoting the adoption of solar technology as an alternative energy source for rural household and small scale businesses in Nigeria; and the need to collaborate with sister Agencies;
2. The need for Federal Institute of Industrial Research Oshodi (FIIRO) to intensify efforts in the production of value added food products that are demand driven both by industries and individuals;
3. The need to sensitize the rural dwellers through Local Government involvements in the ECN solar poweredgenerator project.The up-take of which will improve the carbon foot print of the country;
4. The efforts of National Space Research and Development Agency (NASRDA) in ensuring sustainable food production systems through the implementation of resilient agricultural practices that increase productivity and help maintain ecosystems, strengthen the capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and progressively improve land and soil quality;
5. The collaborative efforts of FMSTI and UNESCO to complete the phase II project- tagged Strengthening STI for Sustainable Development in Nigeria;
6. The need for States to be encouraged to key into the Methanol fuel Production Technology Value Chainprogramme to ensure full implementation in both rural and urban areas in Nigeria ;
7. The need for all States governments and FCT to patronise NASENI products such as solar panels and science kits toequip their various schools;
8. The need for States Governments and FCT to establish clusters for cassava processing plants/machines through the PPP arrangement;
9. The need for Federal, State and Local governments to institutionalize the talent- hunt programme to encourage young inventors, innovators and scientists in the country;
10. The need for States governments and FCT to collaborate with relevant Agencies such as PRODA, SHESTCO, NASRDA, NARICT etcin the technical training of their students in the technical colleges;
11. The efforts of NASENI in the development of various value added products such as electromagnetic Nano coating green urea n-type fertilizer for agricultural production enhancements and the energy efficient, cost effective LED bulbs and the need to encourage mass production in order to reduce cost and create employment in the country;
12. The efforts of FMSTI and her international partner in the development of wind energy as alternative source of energy and the successful conduct of wind mapping for the country so as to identify locations suitable for citing wind energy projects;
13. The need for NASENI Solar Energy Ltd to forge partnership and synergy with other MDAs so that people will be aware of its activities;
14. Inauguration of the NABDA National Bioethics Committee by the Honourable Minister of Science, Technology and Innovation Sen (Dr.) Adeleke Mamora following the approval of the National Bioethics framework and the National Bioethics Policy Documents by Federal Executive Council;
15. The need for Agencies under the supervision of the Ministry to consider organizing their programmes in rural communities as part of a sensitization programme for the rural populace;
16. The need for Agencies under the supervision of the Federal Ministry of Science, Technology and Innovation to key into the Digital Economy Policy
17. The need to promote digital technologies to enhance national socio-economic development;
18. The need to revitalize the already moribund industries in Nigeria such as Textile, Steel Rolling, Fertilizer and Food Processing Industries for improve job creation;
19. The request by NILEST for collaboration of all stakeholders to campaign against eating of raw hides and skins popularly known as ponmo for the purpose of utilizing them for leather production in Nigeria;
20. There is need for greater synergy between Government and the Organized Private Sector
21. The need to revitalize the already moribund industries in Nigeria
22. The collaborative efforts of FIIRO and the new Management of Jebba Paper Mills in revamping the industry; and
23. The introduction, establishment and inauguration of Community of Practice for all STI Permanent Secretaries across the states and FCT. The Community is chaired by the PS -FMSTI.

**9.0 RESOLUTIONS:**

Accordingly, Technical Committee invites the Council to consider the following recommendations for noting and or approval,

1. Nasarawa state government and any other interested States governments should partner with NASENI for the purposes of procuring Science Kits for their secondary schools;
2. NASENI Solar Energy Ltd should endeavour to create synergy with other MDAsparticularly at the Federal and State levels in order to promote its programmes and products;
3. Greater synergy is encouraged between the Government and the Organised Private Sector;
4. States wereencouraged to key into the Methanol fuel Production Technology Value Chain programme to ensure full implementation in both rural and urban areas in Nigeria ;
5. Nigeria Institute of Science Laboratory Technology(NISLT) to collaborate with Federal Ministry of Education in training and certifying of science laboratory attendants and assistants;
6. FMSTI to collaborate with NISLT on International Junior Science Olympiad (IJSO);
7. FMSTI and UNESCO should ensure the completion of the phase II project tagged Strengthening STI for Sustainable Development in Nigeria;
8. The Federal, State and Local governments should institutionalize the talent hunt programme to encourage the young inventors, innovators and scientists in the country through Special workshops in the local communities for the gifted children to showcase their talents;
9. FMSTI should ensure effective and full implementation of the Revised 2022 National Science Technology and Innovation Policy;
10. Kogi State Government and any other interested State governments to partner with relevant Agencies of FMSTI such as PRODA, SHESTCO NASRDA etc in the area of technical assistance/capacity building for its technical colleges and also to collaborate with NBRRI to build technical capacity of officers in their States;
11. States to emulate Ogun State Government in implementing programmes aimed at improving science education in secondary schools nationwide;
12. Federal Institute of Industrial Research Oshodi (FIIRO) should intensify efforts in the production of value addedfood products that are demand- driven both by industries and individuals;
13. States and all relevant stakeholders to join NILEST in the campaign to discourage the consumption of raw hides and skin popularly known as ponmo in Nigeria so that there will be enough leather to produce leather products in the country and enhance the implementation of the National Leather Products Policy;
14. State Governments and FCT should establish clusters of cassava processing plants/machines through the PPP arrangement;
15. That Nigeria Building and Road Research Institute (NBRRI) should partner with Edo State Ministry of Digital Economy, Science and Technology and any other interested States on recycling of ceramic wastes;
16. That FIIRO and ECN to partner on Bio-gas digester production;
17. FIIRO to collaborate with Nasarawa State and any other interested Stateson Cassava Processing Plant;
18. All relevant stakeholders should partner with FIIRO and the new Management of Jebba Paper Mills in their collaborative efforts in revamping the industry;
19. NARICT is encouraged to explore all avenues for collaborating with relevant MDAs of government to mitigate environmental hazards and livestock feeds;
20. Relevant Research Institutes are encouraged to effectively collaborate with stakeholders in the Paper and Publishing Industries for multi- disciplinary research and development in the pulp and paper value chain;
21. Gombe State to collaborate with FIIRO in fortification of food and production of ready to use therapeutic food to combat malnutrition in infants and school age children in the State;
22. All Stakeholders (at all levels of governments) should adopt the principle of 5Cs which are, communication, co-operation, collaboration, cordiality, and coordination to promote STI in Nigeria;
23. Nasarawa State Government will host the twenty second (22nd) National Council on Science, Technology and Innovation.