TO I.D-
Please coordinate with Dot on this fax to ensure whether DOE/IAEA plan to furnish requested equipment. Advise the chairman of the action.
Thanks, Mike W.
3/26/99

NAT. NUCLEAR RES. INSTITUTE

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Fax

To:	DR. SHIRELY ANN JACKSON	**From:**	Prof. A.W.K. Kyere
Fax:	001 (301) 415-1757	**Pages:**	3
Phone:	001 (301) 415-1759	**Date:**	03/26/99
Re:		**CC:**	

X☐ **Urgent** ☐ **For Review** ☐ **Please Comment** X☐ **Please Reply** ☐ **Please Recycle**

• **Comments:** Dear Madam,

Following your visit to the Komfo Anokye Teaching Hospital in Kumasi and the various discussion with the hospital authorities I forward herewith a list of equipment that they think they will need for an efficient Nuclear Medicine Facility.

It is worth noting that the Kumasi Radiotherapy Project under GHA/6/009 is being funded by the US Government through the IAEA. It is hoped that this request will be kindly treated.

It is sad to let you know that the Otumfuo died only a few hours after our meeting with him. His funeral started on 22 March and ended on 25. Your group was the last visitors he entertained in life. This was echoed in his life history.

Warmest regards,

Prof. A.W.K. Kyere.

March 29, 1999

EQUIPMENT LIST

1. Radionuclide "dose" calibrators (Activity meters) - 2
2. Manual and automatic counting systems for gamma-radiation measurements *in vitro*. - 1
3. Scintillation gamma camera-computer system (for general sue and whole body counting) - 1
4. Single Photon emission Computed Tomography System (SPECT). - 1
5. Contamination monitors (for hand, etc). - 4
6. Survey monitors - 4
7. Centrifuge - 2
8. Pocket personal dose monitors. - 6
9. Equipment for radiochromatography. - 3
10. Chromatography scanner. - 1
11. Single- and multi-probe counting systems for gamma-radiation measurements *in vivo* - 1
12. Radionuclide generators and kits (Radiopharmaceuticals).
13. Scientific Microscopes for control of particles.
14. Phantoms
    a. Flood-field phantom
    b. Orthogonal hole transmission pattern (OHTP or SOH) phantom
    c. Count-rate performance phantom
    d. Resolution and linearity phantom
    e. Step-wedge phantom
    f. Total –performance phantom
    g. Phantom for use with SPECT systems using rotating camera.

March 26, 1999

15. Calibration sources.

a. scaled, low-energy, medium-energy, and high-energy gamma radiation sources (vial-type) calibrated to ±5% overall.

Uncertainty

^{57}Co, ^{133}Ba, ^{137}Cs, ^{60}Co, ^{226}Ra

b. Sealed gamma radiation sources (rod-type and tube-type) calibrated to ±10% overall uncertainty: ^{125}I, ^{137}Cs.

c. Sealed, medium-energy gamma radiation source (disc-type or rectangular type) calibrated to ±10% overall uncertainty: ^{137}Cs, ^{133}Ba.

16. Protected syringes - 5

17. Training for nuclear medicine physicist and technicians.