INF

International Atomic Energy Agency

INFORMATION CIRCULAR

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THE TEXTS OF THE INSTRUMENTS CONNECTED WITH THE AGENCY'S ASSISTANCE TO ROMANIA IN FURTHERING PROJECTS BY THE SUPPLY OF MATERIALS

Fifth and Sixth Supplementary Agreements

1. As a sequel to the assistance which the Agency has provided to the Government of Romania in furthering projects by the supply of materials [1], two additional Supplementary Agreements to the Master Agreement concerning the provision of that assistance [2] have been concluded between the Agency and the Government.

2. The Agreements entered into force on 21 March 1978 and 11 July 1978, pursuant to Article IV of each Agreement, and the texts [3] are reproduced herein for the information of all Members.

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[1] Pursuant to the agreements reproduced in documents INFCIRC/95 and Add.1 and 2.

[2] Reproduced in document INFCIRC/95, part I.

[3] The footnotes to the texts have been added in the present information circular.

I. SUPPLEMENTARY AGREEMENT No. 5 TO THE MASTER AGREEMENT BETWEEN THE INTERNATIONAL ATOMIC ENERGY AGENCY AND THE GOVERNMENT OF THE SOCIALIST REPUBLIC OF ROMANIA FOR ASSISTANCE BY THE AGENCY IN FURTHERING PROJECTS BY THE SUPPLY OF MATERIALS

WHEREAS the International Atomic Energy Agency (hereinafter called the "Agency") and the Government of the Socialist Republic of Romania (hereinafter called "Romania") on 22 April 1966 entered into a Master Agreement for Assistance by the Agency in Furthering Projects by the Supply of Materials (hereinafter the "Master Agreement");

WHEREAS Romania has requested the assistance of the Agency in the supply of certain material for research on atomic energy for peaceful purposes;

WHEREAS under the Agreement for Co-operation between the Agency and the Government of the United States of America (hereinafter called the "United States"), as amended (hereinafter called the "Co-operation Agreement") [4], the United States undertook to make available to the Agency pursuant to its Statute certain quantities of special fissionable material, and also undertook, subject to various applicable provisions and licence requirements, to permit, upon request of the Agency, persons under the jurisdiction of the United States to make arrangements to transfer and export materials, equipment or facilities for a Member of the Agency in connection with an Agency project; and

WHEREAS Romania has made arrangements with a manufacturer in the United States of America (hereinafter called the "Manufacturer") for the purchase of spectrographic samples;

NOW, THEREFORE, the Agency and Romania agree as follows:

ARTICLE I

The project to which this Agreement relates consists of spectrographic analysis, to be carried out at the Institute of Nuclear Technology at Pitesti-Colibasi, Romania.

ARTICLE II

The following material (hereinafter called the "supplied material") is hereby allocated to the project:

One set (175 grams) of uranium oxide spectrographic samples.

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[4] Reproduced in documents INFCIRC/5, part III, and INFCIRC/5/Mod.1 and 2.

ARTICLE III

The Agency, pursuant to Article IV of the Co-operation Agreement, shall request the United States to permit the transfer and export of the supplied material to Romania in accordance with the arrangements made between Romania and the Manufacturer. The provisions of the Master Agreement shall apply to the project.

ARTICLE IV

This Agreement shall enter into force upon signature by or for the Director General of the Agency and by the authorized representative of Romania.

For the INTERNATIONAL ATOMIC ENERGY AGENCY:	For the GOVERNMENT OF THE SOCIALIST REPUBLIC OF ROMANIA:
(signed) John A. Hall	(signed) Octavian Groza
21 March 1978	8 March 1978

II. SUPPLEMENTARY AGREEMENT No. 6 TO THE MASTER AGREEMENT BETWEEN THE INTERNATIONAL ATOMIC ENERGY AGENCY AND THE GOVERNMENT OF THE SOCIALIST REPUBLIC OF ROMANIA FOR ASSISTANCE BY THE AGENCY IN FURTHERING PROJECTS BY THE SUPPLY OF MATERIALS

WHEREAS the International Atomic Energy Agency (hereinafter called the "Agency") and the Government of the Socialist Republic of Romania (hereinafter called "Romania") on 22 April 1966 entered into a Master Agreement for Assistance by the Agency in Furthering Projects by the Supply of Materials (hereinafter called the "IAEA-Romania Master Agreement");

WHEREAS Romania has requested the assistance of the Agency in the supply of certain material for research on atomic energy for peaceful purposes;

WHEREAS under the Agreement for Co-operation concluded on 11 May 1959 between the Agency and the Government of the United States of America (hereinafter called the "United States"), as amended on 12 February 1974 (hereinafter called the "Co-operation Agreement"), the United States undertook to make available to the Agency, pursuant to the Agency's Statute, certain quantities of special fissionable material and also undertook, subject to various applicable provisions and licence requirements, to permit, upon request of the Agency, persons under the jurisdiction of the United States to make arrangements to transfer and export materials, equipment or facilities for a Member of the Agency in connection with an Agency project;

WHEREAS pursuant to the terms of the Co-operation Agreement, the Agency and the United States on 14 June 1974 signed a Master Agreement Governing Sales of Source, By-Product and Special Nuclear Materials for Research Purposes (hereinafter called the "IAEA-United States Master Agreement") [5]; and

WHEREAS Romania has made arrangements with a manufacturer in the United States of America (hereinafter called the "Manufacturer") for the purchase of a number of foil detectors of special fissionable material in aluminium alloy;

NOW, THEREFORE, the Agency and Romania agree as follows:

ARTICLE I

The project to which this Agreement relates consists of measurements of flux distributions, of neutron reaction rates for various neutron spectra and of spectral indices in the dual-core TRIGA training and research reactor, to be operated by the Institute for Nuclear Technology at Pitesti-Colibasi, Socialist Republic of Romania.

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[5] Reproduced in document INFCIRC/210.

ARTICLE II

The following materials (hereinafter called the "supplied materials") are hereby allocated to the project:

(a) Approximately 200 milligrams of uranium-235; and

(b) Approximately 80 milligrams of plutonium-239;

contained in a number of foil detectors of special fissionable material in aluminium alloy as specified in the Annex to this Agreement.

ARTICLE III

Subject to the provisions of the Co-operation Agreement and the IAEA-United States Master Agreement, the Agency shall request the United States to permit the transfer and export of the supplied materials to Romania in accordance with the arrangements made between Romania and the Manufacturer. The provisions of the IAEA-Romania Master Agreement shall apply to the project.

ARTICLE IV

This Agreement shall enter into force upon signature by or for the Director General of the Agency and by the authorized representative of Romania.

For the INTERNATIONAL ATOMIC ENERGY AGENCY:

(signed) Helio F.S. Bittencourt

Vienna, 11 July 1978

For the GOVERNMENT OF THE SOCIALIST REPUBLIC OF ROMANIA:

(signed) Octavian Groza

Vienna, 6 July 1978

ANNEX

Specified Materials

Total Weight	Description
115.5 mg	U-238 (Natural Uranium) contained in an alloy of 10% U-Al. Total weight of 10% U-Al alloy is 115.5 mg. Size 6.37 mm diameter x 0.1 mm thick. (11 pcs.)
207 mg	Same as above except total weight of alloy is 207 mg and diameter is 12.74 mm. (5 pcs.)
465.3 mg	Same as above except total weight of alloy is 465.3 mg and diameter is 19.11 mm. (5 pcs.)
51.7 mg	U-235 contained in 5.74 mg of Uranium (i.e. enriched to 98% U-235). Fabricated as an alloy of 10% U-Al. Total weight of 10% U-Al alloy is 51.7 mg. Size 6.37 mm diameter x 0.1 mm thick. (5 pcs.)
207 mg	Same as above except contained in 23 mg of Uranium. Total weight of alloy is 207 mg and diameter is 12.74 mm. (5 pcs.)
372 mg	Same as above except contained in 41.33 mg of Uranium. Total weight of alloy is 372 mg and diameter is 19.11 mm. (4 pcs.)
57.2 mg	U-235 contained in 12.71 mg of Uranium (i.e. enriched to 98% U-235). Fabricated as an alloy of 20% U-Al. Total weight 20% U-Al alloy is 57.2 mg. Size 6.37 mm diameter x 0.1 mm thick. (5 pcs.)
228.3 mg	Same as above except contained in 57.06 mg of Uranium. Total weight of alloy is 228.25 mg and diameter is 12.74 mm. (5 pcs.)
412.5 mg	Same as above except contained in 84.18 mg of Uranium. Total weight of alloy is 412. 5 mg and the diameter is 19.11 mm. (4 pcs.)

Total Weight	Description
51.9 mg	Pu-239 (purity 99.95%). Fabricated as an alloy of 10% Pu-Al. Total weight of alloy is 51.9 mg. Size 6.37 mm diameter x 0.1 mm thick. (5 pcs.)
207.4 mg	Same as above except total weight of alloy is 207.4 mg and diameter is 12.74 mm. (5 pcs.)
187 mg	Same as above except total weight of alloy is 187 mg and diameter is 19.11 mm. (2 pcs.)
50.6 mg	Pu-239 (purity 99.95%). Fabricated as an alloy of 5% Pu-Al. Total weight of alloy is 50.6 mg. Size 6.37 mm diameter x 0.1 mm thick. (5 pcs.)
198 mg	Same as above except total weight of alloy is 198 mg and diameter is 12.74 mm. (5 pcs.)
356.4 mg	Same as above except total weight of alloy is 356.4 mg and diameter is 19.11 mm. (4 pcs.)
0.67 grams	U-238 depleted to 400 ppm U-235. Size 6.37 mm diameter x 0.1 mm thick. (10 pcs.)
2.673 grams	Same as above except diameter is 12.74 mm. (10 pcs.)
6.02 grams	Same as above except diameter is 19.11 mm. (10 pcs.)

NOTE: These figures include 10% allowance for thickness tolerance.