

No. 6114

**INTERNATIONAL ATOMIC ENERGY AGENCY,
UNITED STATES OF AMERICA
and
PAKISTAN**

Contract for the transfer of enriched uranium and plutonium for a research reactor. Signed at Vienna, on 5 March 1962

Official text: English.

Registered by the International Atomic Energy Agency on 9 April 1962.

**AGENCE INTERNATIONALE DE L'ÉNERGIE ATOMIQUE,
ÉTATS-UNIS D'AMÉRIQUE
et
PAKISTAN**

Contrat pour la cession d'uranium enrichi et de plutonium destinés à un réacteur de recherche. Signé à Vienne, le 5 mars 1962

Texte officiel anglais.

Enregistré par l'Agence internationale de l'énergie atomique le 9 avril 1962.

No. 6114. CONTRACT¹ BETWEEN THE INTERNATIONAL ATOMIC ENERGY AGENCY, THE GOVERNMENT OF THE UNITED STATES OF AMERICA AND THE GOVERNMENT OF PAKISTAN FOR THE TRANSFER OF ENRICHED URANIUM AND PLUTONIUM FOR A RESEARCH REACTOR. SIGNED AT VIENNA, ON 5 MARCH 1962

WHEREAS the Government of Pakistan (hereinafter called "Pakistan"), desiring to set up a project consisting of a research reactor for peaceful purposes, has requested the assistance of the International Atomic Energy Agency (hereinafter called the "Agency") in securing, among other things, the special fissionable material necessary for this purpose ;

WHEREAS the Board of Governors of the Agency has approved the project on 27 February 1962 ;

WHEREAS the Agency and the Government of the United States of America (hereinafter called the "United States") on 11 May 1959 concluded an Agreement for Co-operation² (hereinafter called the "Co-operation Agreement"), under which the United States undertook to make available to the Agency pursuant to the Statute of the Agency³ certain quantities of special fissionable material ;

WHEREAS the Agency and Pakistan are this day concluding an agreement for the provision by the Agency of the assistance requested by Pakistan⁴ (hereinafter called the "Project Agreement") ;

WHEREAS Pakistan has made arrangements with a supplier in the United States of America (hereinafter called the "Supplier") for the supply of fuel elements containing enriched uranium for the reactor and for the provision thereof of a plutonium-beryllium neutron source ;

NOW THEREFORE the Agency, Pakistan and the United States Atomic Energy Commission (hereinafter called the "Commission"), acting on behalf of the United States, hereby agree as follows :

¹ Came into force on 5 March 1962, upon signature, in accordance with article VI.

² United Nations, *Treaty Series*, Vol. 339, p. 359,

³ United Nations, *Treaty Series*, Vol. 276, p. 3 ; Vol. 293, p. 359 ; Vol. 312, p. 427 ; Vol. 316, p. 387 ; Vol. 356, p. 378 ; Vol. 394, p. 276 ; Vol. 407, p. 263, and Vol. 416, p. 342.

⁴ See p. 17 of this volume.

Article I

TRANSFER OF ENRICHED URANIUM AND PLUTONIUM

Section 1. Subject to the provisions of the Co-operation Agreement, the Commission shall transfer to the Agency and the Agency shall accept from the Commission :

- (a) Approximately 5775 grammes of uranium enriched to approximately 90% by weight in the isotope U^{235} (hereinafter called the "fuel material"), the precise quantities to be determined pursuant to section 3 (b), contained in fuel elements for a 5-megawatt AMF pool-type research reactor (hereinafter called the "reactor") ;
- (b) Approximately 112 grammes of plutonium (hereinafter called the "neutron source material"), the precise quantities to be determined pursuant to section 3 (d), contained in a 7 curie plutonium-beryllium neutron source for the reactor.

Section 2. The Agency shall transfer to Pakistan and Pakistan shall accept from the Agency the fuel material and the neutron source material.

Section 3. The conditions of the transfer of the fuel material and the neutron source material shall be as follows :

- (a) The Commission shall make available to the Supplier or to a properly licensed manufacturer, at a facility of the Commission designated by it, enriched uranium, in the form of uranium hexafluoride, for the fuel material, subject to such terms, charges and licences as the Commission may require.
- (b) The precise quantity and enrichment of fuel material in the fuel elements shall be determined by the Supplier or the manufacturer, and Pakistan shall cause the Supplier to submit to the Agency and to the Commission a written certification of the Supplier's or the manufacturer's determination of the enrichment by weight in the isotope U^{235} and of the quantity of enriched uranium contained in the fabricated fuel elements. This determination may be checked by the Agency, by Pakistan and by the Commission by means of any review or analysis that any of them may deem appropriate, and shall be approved or revised by unanimous agreement of the parties. The quantity and enrichment shown in the agreed determination shall be considered to be the quantity and enrichment of the fuel material actually transferred under sections 1 and 2 and shall be used for the calculation of the payments to be made pursuant to Article II.
- (c) The Commission shall make available to the Supplier or to a properly licensed fabricator, at a facility of the Commission designated by it, plutonium in metallic form for the neutron source, subject to such terms, charges and licences as the Commission may require.
- (d) The precise quantity of neutron source material in the neutron source shall be determined by the Supplier or the fabricator, and Pakistan shall cause the Sup-