



শেখ হাসিনার দর্শন, সব মানুষের উন্নয়ন

Office of The Project Director
**Strengthening of the Existing Gamma Source of
Bangladesh Atomic Energy Commission**

Atomic Energy Research Establishment (AERE),
Institute of Radiation and Polymer Technology (IRPT),
Ganakbari, Ashulia, Savar, Dhaka, Bangladesh
Phone: +880-2-7789343, Fax: +880-2-7789337, E-mail: gb.irpt@gmail.com



Ref. No. 39.01.2672.274.14.003.2021

Dated: 18 May 2022

Notification of Award

Notification of Award for the "Purchase of Cobalt-60 Source. Design, Supply, Installation, Commissioning, and Testing of New System for the Replacement of Existing Gamma Irradiator Equipment of IRPT on Turnkey Basis" of 01 (one) set under the Project entitled "Strengthening of the Existing Gamma Source of Bangladesh Atomic Energy Commission, Atomic Energy Research Establishment (AERE), Institute of Radiation and Polymer Technology (IRPT), Ganakbari, Ashulia, Savar, Dhaka, Bangladesh".

Ref. Your Quotation No. RC/BAEC-106/2022, Dated: 16 February, 2022

JSC-NIITFA (Joint Stock Company-Research Institute of Technical Physics and Automation)
ROSATOM Healthcare
46 Varshavskoe Highway,
Moscow-115230, RUSSIA

Dear Sir,

This is to notify that your Tender dated 16 February, 2022 for the Purchase of Cobalt-60 Source. Design, Supply, Installation, Commissioning, and Testing of New System for the Replacement of Existing Gamma Irradiator Equipment of IRPT on Turnkey Basis 01 (one) set under the project entitled "Strengthening of the Existing Gamma Source of Bangladesh Atomic Energy Commission", as per attached list of stores with specification for the total Contract Price of USD 39,20,000.00 (USD: Thirty nine lac twenty thousand only) which is included with Sea-freight charge of the quoted amount as corrected and modified in accordance with the instructions to the Tenderers has been approved by the Authority.

You are thus requested to take following actions:

- Accept in writing the Notification of Award within seven (7) days of its issuance.
- Furnish a Performance Security (10%) in the specified format and in the amount of USD 3,92,000.00 (USD: Three lac ninety two thousand only) within twenty eight (28) days of issuance of this letter but not later than 14 June, 2022.
- Sign the Contract within twenty eight (28) days of issuance of this letter but not later than 14 June, 2022.

You may proceed with the supply of equipment and related services only upon completion of the above tasks. You may also please note that this Notification of Award shall constitute of this contract which shall become binding upon you.

Payment of CFR (Freight by Sea up to Chattagram Sea Port) total value USD 39,20,000.00 (USD: Thirty nine lac twenty thousand only) including Freight Charges will be made to you through an irrevocable letter of credit against documents and guarantee certificate confirming that the goods supplied as per purchase order.

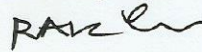
We attach the Draft Contract Agreement and other documents for your perusal and signature.

Encl: As above.

Sd/-
Dr. Ruhul Amin Khan
Project Director

Copy to:

1. Director General, AERE, Savar, Dhaka.
2. Accounts Officer, Project, AERE, Savar, Dhaka.
3. Manager, Sonali Bank Limited, EPZ Branch, Savar, Dhaka.
4. Manager, M/s. Sadharan Bima Corporation, 25-26, Dilkusha Commercial Area, Dhaka.
5. Radiant Corporation, Park West, Level-5, Suhrawardy Avenue, Baridhara Diplomatic Area, Dhaka-1212, Bangladesh


Dr. Ruhul Amin Khan
Project Director

CC: (i) Senior Secretary, Ministry of Science and Technology, Government of Bangladesh.
(ii) Chairman, BAEC, Dhaka, Bangladesh.



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List of Stores

Item	Name of Items and Description	Qty.	Unit Price USD	Total Price USD
01	<p>Purchase of Cobalt-60 Source. Design, Supply, Installation, Commissioning, and Testing of New System for the Replacement of Existing Gamma Irradiator Equipment of IRPT on Turnkey Basis.</p> <p>(i) Supply of Cobalt-60 Source.</p> <p>Manufacturer: NIITFA JSC and JSC ISOTOPE Country: RUSSIA</p> <p>Technical Specifications:</p> <p>(a) Activity for Each Pencil: 8000Ci to 14000Ci (b) Dimension of Each Pencil: $\Phi 11 \times 451$ mm (c) Total Activity Required: 400 kCi (d) Type: Double Encapsulated</p>	400 kCi	\$20,000,00.00	\$20,000,00.00
	<p>(ii) Design, Supply, Installation, Testing and Commissioning of New System for the Replacement of Existing Gamma Irradiator Equipment of IRPT, BAEC.</p> <p>(a) Conveyor: Pneumatic Driven (b) Minimum Source Efficiency: 35% (c) DUR (Dose Uniformity Ratio): 1.32 – 2.00 (d) Specification of major equipment: Major parts are conveyor, Control system, and Safety interlock system.</p> <p>Main components and the specifications are as followed.</p> <p>(e) Conveyor: Conveyor includes the storage conveyor, Interim conveyor and source pass mechanism. The conveyor will be driven by compressed air cylinder and boxes side must change automatically. Transport system inside the irradiation room will be replaced with a rail-based pneumatic system utilizing boxes. A suitable radiation-resistant box movement system will be employed for lowest possible maintenance of the irradiator. Tote boxes will be transferred into and out of the irradiation room via ground-level-cable-driven trolley system.</p> <p>(f) Control System and Safety Interlock System. The system must ensure safe and efficient operation of the irradiator, traceable management of data and documentation of whole process and logic functional control based on PLC. Displays are organized in functional groups so that functions are easily located.</p> <p>Below items are recommended as a standard configuration.</p> <ul style="list-style-type: none">❖ Photoelectric switches for personnel access, product entry and exit ports.❖ Fixed radiation monitor.	01 Set	\$19,20,000.00	\$19,20,000.00

	<ul style="list-style-type: none"> ❖ Valve lever for raising source. ❖ Key-switch for activating delay timer. ❖ Emergency pull cables ❖ Source status indicator ❖ Source down switch ❖ Rack anti-collusion device ❖ Smoke sensor ❖ Flow meter for ventilation system ❖ Removable roof plugs switch ❖ Pool water level indicator ❖ Power failure interlock ❖ Radiation signs and labels <p>(g) Design of the Plant</p> <p>(h) Warranty for 1 (one) year from the date of operational acceptance of the facilities.</p>			
Total CFR Price USD				39,20,000.00

Total amount (US\$ Thirty nine lac twenty thousand only)



Dr. Ruhul Amin Khan
Project Director



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Ref. No. 39.01.2672.274.14.003.2021

Dated: 18 May 2022

1. **DESPATCH INSTRUCTIONS**:- i) All documents i.e. Shipping bill, Invoice, Packing list, Insurance declaration should be dated within the period of shipment as per supply order.

2. **DESPATCH ADVICE**:- An information (by fax/telex) must be given to this Commission immediately after delivery of consignment for dispatch to the consignee as detailed below:-

- a) For Freight Dispatches:-
1. Name of shipping company lifting the packages
 2. Shipment number with name of shipping company.
 3. Shipping bill number and date.
 4. In case of transshipment enroot name of shipping company responsible to deliver the packages at Chattagram Sea Port, Bangladesh.
 5. Expected date of arrival at Chattagram.
 6. The consignment will be dispatched from Russian Federation to Chattagram Sea Port, Bangladesh.

3. **DESPATCH OF DOCUMENTS**: Non negotiable document viz: 2 copies each of Shipping bill, Invoice, Packing list, Guarantee certificate and country of origin certificate will be dispatched to the Project Director Strengthening of the Existing Gamma Source of Bangladesh Atomic Energy Commission, Atomic Energy Research Establishment (AERE), Institute of Radiation and polymer Technology (IRPT), Ganakbari, Ashulia, Savar, Dhaka, Bangladesh immediately after shipment.

4. **MARKING**: Marking shall be as under: **BANGLADESH ATOMIC ENERGY COMMISSION, AGARGAON, DHAKA.**

SUPPLY ORDER NUMBER 39.01.2672.274.14.003.2021, Dated: 18.05.2022

For the Purchase of Cobalt-60 Source. Design, Supply, Installation, Commissioning, and Testing of New System for the Replacement of Existing Gamma Irradiator Equipment of IRPT on Turnkey Basis.

Consignee: Bangladesh Atomic Energy Commission, E-12/A, Sher-e-bangla Nagar, Agargaon, Dhaka-1207, Bangladesh.

Ultimate Consignee: Project Director, Strengthening of the Existing Gamma Source of Bangladesh Atomic Energy Commission, Atomic Energy Research Establishment (AERE), Institute of Radiation and polymer Technology (IRPT), Ganakbari, Ashulia, Savar, Dhaka, Bangladesh,

Serial Number of Packages: Gross weight..... Each package will be marked in both sides of the crate.

5. **DESPATCHES**: Part shipment is allowed.

6. **INSURANCE**:

- (a) Consignment will be insured with M/s. SADHARAN BIMA CORPORATION, 24-25, DILKUSHA COMMERCIAL AREA, Dhaka, Bangladesh under Open General Insurance Policy Number. DAK/LO/MP/PUB-24/09 (Open) dated: 23-11-2009; Endorsement No. DAK/LO/ENDT/PUB-16/2021 dated: 22-11-2021. An insurance declaration will, therefore, be made to the above corporation prior to dispatch the "Purchase of Cobalt-60 Source. Design, Supply, Installation, Commissioning, and Testing of New System for the Replacement of Existing Gamma Irradiator Equipment of IRPT on Turnkey Basis" under advice to this institute.
- (b) The declaration of shipment including a AWB may be sent to the M/s. Sadharan Bima Corporation immediately on shipment of the consignment under advice to this Commission.

7. **PACKING**: All materials should be packed suitably with sufficient cautioning materials to withstand rough handling in Sea/Rail/Road/Air and transit. You will be liable to any loss caused due to improper or inadequate packing. A list of items showing contents of the package should be securely being placed inside the package.

8. **GUARANTEE OF DELIVERY PERIOD**: The stipulated delivery/shipment date should be adhered to. Any anticipated delay beyond your control shall be intimated to the consignee well in advance of the expiry of the period of shipment for extension thereof. Otherwise, liquidated damage will be imposed @ 0.5% of the contract value per each month of delay until actual delivery or performance.

9. **CAUTION**: Loss of consignment or extra expenditure involved due to non-observances of the above dispatch instruction will render the suppliers liable to payment to consignee.

Dr. Ruhul Amin Khan
Project Director