**Appendix No. 2 to the Request for Quotation No. 5/CPR/2024 – description of the subject of the contract**

 **DESCRIPTION OF THE SUBJECT OF THE CONTRACT**

**Cyclotron bunker door**

Parameters:

Sliding door for cyclotrone bunker, mounted on rails. The door is mainly composed of 2 parts: a formwork fixed to the walls of the bunker and a sliding door with a concrete or barytic concrete casting.

Steel rails, placed on the ground and flush with the floor, allow the door to slide.

Gear units activated by electric motor allow the sliding door to translate.

The handling system includes an inverter, which allows the following functions:

-       Regulation of both, opening and closing speed

-       Regulation of the acceleration and deceleration ramps in proximity to the stop position.

The door overlaps with a compartment providing protection from radiation in the area in front of the access to the bunker. The command for opening and closing the PMC door is semi-automatic. After it is operated (by pressing a button), the door moves until it reaches the stop position. During door movement, the button does not need to be held down.

An gasket is placed on the door's inner perimeter. When the closing position is reached, this gasket keeping the negative pressure within the bunker.

The electrical panel complies with CE regulations and contains the main safety switch and a door lock circuit breaker.

-       Internal/external (bunker) control panel

-       Gasket for door tightness

-       Safety photocells

-       Acoustic/luminous indicator

-       Anti crush system

-       Emergency Open System

-       Electrical board

-       Shielding – Concrete (wall thickness 2000-2200 mm)

-       Power supply 230Vac 16A 50/60Hz or 400Vac 16A 50/60Hz

**I declare that the products I offer meet the above parameters.**

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| ………………………………………….. | …….…………….………….……………………………………………….. |
| *Place and date* | *signature of the person/persons authorized to represent the Contractor* |