***Enclosure No.: 1 to Specification of Essentials terms of the public contract (SIWZ)***

**Delivery specification – Electron guns**

Electron guns: 4 pieces

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| --- | --- | --- |
| **Parameter** | **Required value** | **Offered value** |
| Offered model and manufacturer |  | |
| Cathode type | Dispenser, spherical shape |  |
| Cathode voltage operation range | -20 ÷ -5kV |  |
| Grid pulse length | In the range of 3 ÷ 5µs |  |
| Pulse repetition | Up to 500Hz at least |  |
| Emission output current | Pulsed and regulated up to 800mA |  |
| Assembly flange type | 40CF |  |
| Maximum dimensions of CF flange and potted E-gun | Diameter 70mm and length 60mm or smaller |  |
| Operating pressure trange | At least in range of 1x10-10 ÷ 1x10-7mbar |  |
| Other requirements | Potted circuits and E-gun.  Enclosed emission current characteristics to each piece of E-gun (measured for cathode voltages: -15, -12, -10, -9, -6 [kV] and grid voltages: -50, -25, 0, 25, 50, 75, 100 [V]).  Enclosed emission current vs heater current charts.  Certificate of quality control. |  |